

This draft includes changes proposed to the Skagit County critical areas regulations. A supplemental document contains additional revisions of other chapters of the County Code that are related to the critical areas update, such as changes to critical areas definitions.

All revisions are shown in underline/strikeout format. That is, all new information that has been added is underlined and all information that has been deleted has been ~~crossed-out~~. No changes are proposed to the standard text that is not shown with underline or strikeout. Text boxes are used to annotate changes.

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14.24.010 Introduction.

The ordinance codified in this Chapter was developed under the directives of the Growth Management Act to ~~conserve~~ designate and protect critical areas. Critical areas are defined as wetlands, aquifer recharge areas, ~~flood hazard areas~~ frequently flooded areas, geologically hazardous areas, and fish and wildlife habitat conservation areas. Some of these areas, such as geologic hazards and ~~flood hazard areas~~ frequently flooded areas are critical because of the hazard they represent to public health. Others, such as fish and wildlife habitats and wetlands are critical because of their public value.

Critical areas are dynamic natural systems that are a part of Skagit County's changing landscape. ~~While critical areas are present throughout the County their exact location cannot be mapped accurately enough for regulatory purposes. Maps are useful primarily as an indicator of the distribution and extent of critical areas. Maps will be used wherever possible as part of the screening process for evaluating individual permit applications. Although a number of map resources are utilized in this Chapter, regulatory measures such as buffer requirements are based upon the identification of critical areas during the permit, development authorization, or other County approval processes.~~ Critical areas will be designated by definition and then classified through site assessments so that they can be identified using scientifically based criteria and protected. The use of site assessments to confirm the actual presence and classification of critical areas is central to the management approach developed under this Chapter.

~~The ordinance codified in this Chapter was drafted to provide County regulatory structure for identification, designation and protection of critical areas. This Chapter allows staff of the Planning and Permit Center and Development Services to provide site visits, preliminary reviews, and pre-application meetings to assist~~

in the identification of critical areas. ~~In addition, performance based alternatives have been built into this Chapter to allow flexibility in compliance with dimensional requirements.~~ In the event that hardships and grievances occur, this Chapter contains provisions to allow for ~~reasonable use exceptions~~, variances, reasonable use exceptions and appeals. Through this Chapter, Skagit County will work with the landowner in the management of critical areas.

This Chapter represents a significant ~~first~~ step in the management of critical areas. Incentives will play an ever-increasing role in enlisting landowner participation in conservation programs. A county-wide education program may be developed to alert the community to the valuable functions and formidable hazards associated with critical areas. Local, State and Federal governments must continue to work towards the consolidation and coordination of regulatory requirements. (Ord. 17938 Attch. F (part), 2000)

14.24.020 Title and Purpose.

This Chapter shall be known as the Critical ~~Area~~Areas Ordinance (CAO) of Skagit County, Washington and is adopted to assist in ~~orderly development~~, ~~conserve~~ conserving the value of property, ~~safeguard~~ safeguarding the public welfare, and ~~provide for the protection of the quality and quantity of groundwater used for public water supplies (RCW 36.70A.070(1))~~ and ~~provide~~ providing protection for the following critical areas:

- (1) Wetlands. Wetlands serve many important ecological and environmental functions and help to protect public health, safety and welfare by providing flood storage and conveyance; and erosion control, ~~fish and shellfish production~~, while also providing fish and wildlife habitat, recreation, water quality protection, water storage, education, scientific research opportunities and other public benefits. It is the purpose of this Chapter to protect these functions ~~to prevent the continual loss of wetlands, and where practical to enhance or restore wetlands functions and values.~~
- (2) ~~Flood Hazard Areas~~Frequently Flooded Areas. It is the purpose of this Chapter to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas according to the provisions established under Chapter 14.34 SCC (Flood Damage Prevention).
- (3) Aquifer Recharge Areas. Potable water is an essential life-sustaining element. Much of Skagit County's drinking water comes from groundwater supplies, which also provide base flows to protect aquatic resources. Once groundwater is contaminated or depleted, it is difficult, costly, and sometimes impossible to clean up or to recharge. It is the purpose of this Chapter to prevent contamination and depletion, avoid exorbitant clean up costs, hardships and potential physical harm to people and aquatic resources.
- (4) Geologically Hazardous ~~a~~Areas. Geologically Hazardous Areas include areas susceptible to the effects of erosion, sliding, earthquake, or other geologic events. They pose a threat to the health and safety of citizens

when incompatible residential, commercial, industrial, or infrastructure development is sited in areas of a hazard. ~~It is the purpose of this Chapter to protect~~ Geologic hazards pose a risk to life, property, and resources when steep slopes are destabilized by inappropriate activities and development or when structures or facilities are sited in areas susceptible to natural or human caused geologic events. Some geologic hazards can be reduced or mitigated by engineering, design, or modified construction practices so that risks to health and safety are acceptable. When technology cannot reduce risks to acceptable levels, building and other construction within identified geologically hazardous areas shall be prohibited.

- (5) Fish and Wildlife Habitat Conservation Areas. Skagit County currently supports the highest wildlife species diversity and population numbers of any county in Washington State. In addition to their intrinsic value, certain species of fish and wildlife represent important historic, cultural, recreational and economic resources. ~~Many species serve as indicators of the condition of the environment and the quality of life that Skagit County residents have invested in, enjoy and respect.~~ It is the purpose of this Chapter to protect fish and wildlife populations and their associated habitats, restore where practical, and enhance fish ~~provide special consideration to conservation or protection measures necessary to preserve or enhance anadromous species, and wildlife populations and their associated habitats. It is also the purpose of this Chapter to address requirements associated with listing of wild salmonid species under the Federal Endangered Species Act.~~ (Ord. 17938 Attch. F (part), 2000)

14.24.030 Authority.

The ordinance codified in this Chapter is adopted under the authority of ~~Chapters~~ RCW 36.70 and 36.70A-RCW, RCW 90.54.090 and Article 11 of the Washington State Constitution. (Ord. 17938 Attch. F (part), 2000)

14.24.040 Applicability, Jurisdiction and Coordination.

- (1) Applicability. ~~These provisions of this~~ Chapter shall be consistently applied to any land use or development under County jurisdiction within the geographical areas that meet the definitions and criteria for critical areas regulation as set forth in this Chapter.
- (2) Relationship To Other ~~to other~~ Federal, State, Tribal and Local Jurisdictional Agencies' Regulations. Many State, Federal and regional regulations apply to projects conducted within critical areas. Uses otherwise allowed by County codes do not eliminate other agency regulatory requirements.
- (a) ~~—~~ Federal regulations include:
- (i) ~~—~~ Clean Water Act, Section 404, 401.
 - (ii) ~~—~~ Coastal Zone Management Act.
 - (iii) ~~—~~ Endangered Species Act.
 - (iv) ~~—~~ Federal Water Pollution Control Act.
 - (v) ~~—~~ Food Security Act — Swampbuster.

- ~~(vi) National Environmental Policy Act.~~
- ~~(vii) National Floodplain Insurance Program.~~
- ~~(viii) River and Harbor Act, Section 10.~~

~~(b) State regulations include:~~

- ~~(i) RCW 43.21C State Environmental Policy Act.~~
- ~~(ii) RCW 75.20 Hydraulic Project Approval.~~
- ~~(iii) RCW 76.09 Forest Practices Regulations.~~
- ~~(iv) RCW 77.12 Bald Eagle Protection Rules.~~
- ~~(v) RCW 78.44 Surface Mining Act.~~
- ~~(vi) RCW 90.03 State Water Code.~~
- ~~(vii) RCW 90.48 State Water Pollution Control Act.~~
- ~~(viii) RCW 90.58 Shoreline Management Act.~~

~~(c) Regional regulations include:~~

- ~~(i) Skagit County Flood Damage Prevention Ordinance.~~
- ~~(ii) Skagit County SEPA review.~~
- ~~(iii) Skagit County Shoreline Management Program.~~
- ~~(iv) Skagit County Solid Waste Permits.~~
- ~~(v) Skagit County Stormwater Management Regulations and Standards.~~
- ~~(vi) Skagit County On Site Sewage Disposal Permits (septic systems).~~

~~(d) Tribal regulations include: Tribal Environmental Policy Act (TEPA) on non-trust lands located within tribal reservations.~~

- (3) Jurisdictional Substitution. In cases where other agencies possess jurisdictional control over critical areas and it is determined by the Administrative Official that the permit conditions satisfy the requirements of this Chapter, those requirements may substitute for the requirements of this Chapter. Such requirements shall be a condition of critical ~~area~~ areas approval and be enforceable by the County. Such agencies may include, but are not limited to, the United States Army Corps of Engineers, Environmental Protection Agency, and Fish and Wildlife Service; ~~the Swinomish Tribe~~ local Tribes, and the Washington State Department of Ecology, Department of Natural Resources and Department of Fish and Wildlife. The County shall notify the Applicant in writing when any such substitution is made. ~~The County shall also notify the public through a Notice of Decision as provided in SCC 14.06 and shall provide opportunity for written comment by the Washington State Department of Ecology and/or the Washington Department of Fish and Wildlife as to whether the substitution provides required protection of critical areas.~~
- (4) Jurisdictional Coordination. In addition to the provisions established in this Chapter, the County shall coordinate its own programs with those of other public and private organizations to enhance management of Critical

Areas in Skagit County. ~~A partial list of public and private programs providing additional protection to critical areas includes:~~

~~(a) Local plans or programs:~~

- ~~(i) Nookachamps Watershed Management Plan.~~
- ~~(ii) Padilla Bay/Bayview Watershed Management Plan.~~
- ~~(iii) Samish Watershed Management Plan.~~
- ~~(iv) Skagit County Flood Damage Prevention Ordinances.~~
- ~~(v) Skagit County SEPA review.~~
- ~~(vi) Skagit County Shoreline Management Program.~~
- ~~(vii) Skagit County Solid Waste Permits.~~
- ~~(viii) Skagit County Stormwater Management Regulations and Standards.~~
- ~~(ix) Skagit County On Site Sewage Disposal Permits (septic systems).~~
- ~~(x) Skagit County Open Space Taxation Program.~~

~~(b) State and Federal programs:~~

- ~~(i) Washington State Hydraulic Project Permits.~~
- ~~(ii) Washington State Pesticide Applicator License Requirements.~~
- ~~(iii) Washington State Waste Discharge Permits.~~
- ~~(iv) Washington State Water Quality Certification Requirements (401).~~
- ~~(v) Washington State Forest Practices Permits.~~
- ~~(vi) Federal Corps 404 Permits and Section 10 Permits.~~

~~(c) Tribal programs include Tribal Environmental Policy Act (TEPA) requirements. (Ord. 17938 Attech. F (part), 2000)~~

14.24.050 Resource Information and Maps.

- ~~(1) Recognizing the necessity for accurate geographic information, the Skagit County Planning and Permit Center shall continue to work on a comprehensive inventory identifying the location, size, and other characteristics of critical areas in Skagit County.~~
- ~~(2) The results of the inventory shall be transferred to maps and published. These maps shall be available at the Planning and Permit Center for public inspection.~~
- ~~(3) When completed, critical area maps shall serve as guides to the location and extent of such critical areas. In the interim, critical areas preliminary inventory maps shall be used to alert the public and responsible officials to the potential presence of critical areas on the site of proposed projects.~~
- ~~(4) Skagit County's critical area maps, w~~With ~~the exception of the Flood Insurance Rate Map used to designate certain flood hazard~~

~~areas~~frequently flooded areas, the Skagit County Final Shoreline Area Designation Map (5/83) or as revised and maps of Flow Sensitive Basins prepared by the Administrative Official pursuant to SCC 14.24.370, Skagit County's critical areas maps are provided only as a general guide to alert the user to the possible distribution, location and extent of critical areas. Map identification of critical areas provides only approximate boundaries and locations in Skagit County. The actual locations and boundaries of critical areas, as well as their quality and quantity, shall be based upon the presence of the features applicable to each critical areaareas element in this Chapter. Maps shall not be considered a regulatory standard or substitute for site specific assessments. The application of definitions, methodologies and performance standards pursuant to the site ~~specific~~-assessment requirements provided in this Chapter is the controlling factor in determining the actual presence and extent of critical areas.

- (2) Skagit County will utilize data from natural resource agencies as a source of best available science (BAS) to develop critical areas maps. Maps will be updated when new data becomes available from resource agencies.
- ~~(5) — The Skagit County critical area maps utilize the best information currently available to the County and will be updated on a continual basis. Sources for general map information include, but are not limited to, those listed at the end of this document in Appendix B and subarea maps such as watershed study maps noted in the reference section of this Ordinance.~~
- ~~(6) — On an annual basis, Skagit County shall make formal requests for updated information to the resource agencies responsible for updating the map information contained in Appendix B. Incorporation of such updated information into Skagit County critical areas maps shall be made by Skagit County Mapping on a minimum of an annual basis.~~
- ~~(7) — Critical areas mapped under the site assessment requirements of this Chapter shall be compiled in a database and incorporated into critical area maps on an annual basis. This map information shall be utilized to facilitate tracking of compliance with the requirements of this Chapter to ensure long term protection of critical areas. (Ord. 17938 Attech. F (part), 2000)~~

14.24.060 Authorizations Required.

With the exception of activities identified as Allowed without Standard Review under SCC 14.24.100.070, any ~~land use~~land use activity that can impair the functions and values of critical areas or their buffers through a development activity or by disturbance of the soil or water, and/or by removal of, or damage to, existing vegetation shall require critical areas review and written authorization pursuant to this Chapter. ~~Vegetation destruction or removal, other than the normal maintenance of existing landscaping identified as Allowed without Standard Review under SCC 14.24.100(14), shall be prohibited within a critical area or its required buffer, unless the Applicant has submitted a request for and the County has approved a buffer management plan pursuant to the requirements~~

~~of the particular critical area that demonstrates there will be no adverse impact to the critical area with the proposed vegetation removal and disturbance of the soil or water and includes any mitigation or buffer enhancement necessary to address critical areas impacts. Authorizations required under this Chapter overlay other permit and approval requirements of the Skagit County Code. Regardless of whether a County development permit or approval is required, any proposed alteration that can adversely affect a critical area or its standard buffers' functions must comply with the substantive and procedural requirements of this Chapter. Critical areas review pursuant to this Chapter shall be conducted as part of the underlying permit or approval, where applicable. It is the responsibility of the landowner, or designee, who conducts or proposes to undertake land use activities that can adversely impact critical areas or their buffers to obtain County authorization prior to commencing such activities. In some cases, the typical thresholds that trigger review and permits from the County have been reduced to zero for any development activity located within a critical area or its required buffer. See, e.g., SCC 15.04.030 (Uniform Codes) and SCC 14.32 (Drainage).~~

- (1) ~~Procedures.~~ No land use development permit, land division, development approval, or other County authorization required by county ordinance shall be granted until the Applicant has demonstrated compliance with the applicable provisions of this Chapter.
 - (a) ~~The Applicant shall demonstrate that the proposal submitted conforms to the purposes and standards of this Chapter, assesses impacts on the critical area from activities and uses proposed, and identifies protective mechanisms adequate to meet the requirements of this Chapter.~~
 - (b) ~~The Administrative Official or designee shall review each proposal and determine if the proposal is consistent with applicable regulations of this Chapter and if the protective mechanisms proposed are sufficient to protect the critical area, public health, safety and welfare, and if so, shall condition approval accordingly. If not, the Administrative Official shall specify conditions of approval. If the Administrative Official determines that there are no conditions under which the proposal could be approved, then the Administrative Official shall deny the proposal.~~
 - (c) ~~Takings, hardships associated with dimensional requirements, and grievances are addressed through the reasonable use exception (SCC 14.24.150), variance procedures (SCC 14.24.140) and appeal provisions (SCC 14.24.730) respectively. Any proposed development or land division shall be conditioned as necessary to mitigate impacts to critical areas as required by this Chapter and, subject to the reasonable use exception of SCC 14.24.150, any project that cannot adequately mitigate its impacts to critical areas shall be denied.~~

- (2) Conflicts with Other Provisions. If any provision of this Chapter conflicts with any other applicable provision of the Skagit County Code, the more restrictive shall apply unless specifically excepted in this Chapter.
- (3) ~~Satisfaction of the requirements of this Chapter shall also be sufficient to satisfy the requirement for critical areas analysis and mitigation pursuant to RCW 43.21C and SCC 14.12 (SEPA).~~
- (43) SEPA Compliance. The goals, policies and purposes set forth in this Chapter shall be considered policies of Skagit County under the State Environmental Policy Act. When applicable the Applicant must meet SEPA requirements pursuant to SCC 14.12.
- (54) Other Permits Required. It is recognized that many City, County, State, and/or Federal permit conditions may apply to the proposed action, and that compliance with the provisions of the Chapter may not necessarily constitute compliance with other such requirements. (Ord. 17938 Attch. F (part), 2000)

~~14.24.070 Public notice and records.~~

- (1) ~~Public notice for projects subject to the provisions of this Chapter shall be provided pursuant to SCC 14.06 (Permit Procedures).~~
- (2) ~~Records of all critical area assessments and related land use approvals and conditioning shall be maintained by the County and be made available to the public upon request. (Ord. 17938 Attch. F (part), 2000)~~

~~14.24.100-070 Activities Allowed Without Standard Review.~~

~~The following developments, land use and use activities and associated uses occurring in critical areas and their buffers are allowed without standard critical areas review from the County, provided that they are consistent with other applicable provisions of this Chapter and other Chapters of the Skagit County Code. All such activities shall be carried out in ways that cause the least impact to critical areas and their buffers. If any damage is caused to a critical area or buffer in connection with such activity, the critical area and its buffer must be restored to the extent feasible. To be allowed without standard review does not give permission to destroy a critical area or ignore risk. Proponents of such activities shall be responsible for notifying the Administrative Official if any damage occurs and shall provide all necessary restoration or mitigation. For information on identifying, protecting or mitigating adverse impacts to critical areas, refer to sections in this Chapter on wetlands, aquifer recharge areas, geologically hazardous areas, fish and wildlife habitat conservation areas, and flood hazard areas.~~

- (1) Emergencies That Threaten the Public Health, Safety and Welfare. An emergency is an unanticipated and imminent threat to the public health or safety or to the environment which requires immediate action within a period of time too short to allow full compliance with this Chapter. Emergency actions that create an impact to a critical area or its buffer shall use reasonable methods that can address the emergency but also

that have the least possible impact to the critical area or its buffer. The responsible party shall restore the critical area and buffer after the emergency to the extent feasible. The person or agency undertaking such action shall notify the Administrative Official within ~~four~~ one (1) working day or as soon as practical following commencement of the emergency activity. Following such notification, the Administrative Official shall determine if the action taken was within the scope of the emergency actions allowed in this Subsection. If the Administrative Official determines that the action taken or any part of the action taken was beyond the scope of allowed emergency actions, then the enforcement provisions of SCC 14.44 (Enforcement/Penalties) shall apply.

- (2) Existing activities defined as ongoing agriculture on designated agricultural land, including related development and activities which do not result in expansion into a critical area or its buffer and which do not result in significant adverse impacts to a critical area or its buffer, provided that such activities comply with the provisions of SCC 14.24.120 of this Chapter.

New development and/or expansion of existing agricultural operations shall comply with both the substantive and procedural provisions of this Chapter. Existing and ongoing agricultural activities that result in significant adverse impacts to a critical area or its buffer shall not be allowed without standard review under this ~~Section~~ Chapter.

- (3) Normal and routine maintenance or repair of existing structures, utilities, sewage disposal systems, potable water systems, drainage facilities, detention/retention ponds, or public and private roads and driveways associated with pre-existing residential or commercial development, provided any maintenance or repair activities shall use best management practices (BMP) ~~reasonable methods~~ with the least amount of potential impact to the critical areas and any impact to a critical area or its buffer shall be restored after the maintenance to the extent feasible.
- (4) Normal maintenance, repair, or operation of existing structures, facilities, and improved areas accessory to a single-family residential use, provided any maintenance or repair activities shall use reasonable methods with the least amount of potential impact to the critical ~~area~~ areas and any impact to a critical area or its buffer shall be restored after the maintenance to the extent feasible. This allowance shall not be construed as applying to agricultural activities undertaken outside of the Agriculture-NRL ~~district~~ zoning district.
- (5) Modification of an existing single-family residence that does not change the use from residential, does not expand the building footprint ~~or increase septic effluent~~, and does not adversely impact critical areas or their buffers.
- (6) Modification of an existing structure other than a single-family ~~use~~ residence which does not expand the building footprint, alter the use or increase septic effluent, pursuant to the requirements of the

- nonconforming use and structure provisions in SCC 14.16, and does not adversely impact critical areas or their buffers.
- ~~(7) Outdoor recreational activities which do not adversely impact critical areas or their buffers.~~
- ~~(8) The harvesting of wild crops in a manner that is not injurious to natural reproduction of such crops and provided the harvesting does not require tilling soil, planting crops, or changing existing topography, water conditions or water sources and provided further that the activity does not adversely impact critical areas or their buffers.~~
- ~~(9)~~ Provided the requirements of SCC 14.24.120(4)(d) are met for ongoing agriculture, the lawful operation and maintenance of public and private diking and drainage systems which protect life and property along the Skagit and Samish Rivers and tidal estuaries in Skagit County. This exemption shall apply to the existing structures and design prism of levees, dikes, and artificial watercourses and the following subflood control zones: Britt Slough SFCZ, ~~South Mount Vernon SFCZ and Dunbar SFCZ~~ 40 feet landward of the landward toe of the structure or facility and 40 feet waterward of the waterward toe of the structure, measured horizontally from the face of the levee, dike or bank of the artificial drainage structure toward the ordinary high water mark. The exempt area for operation and maintenance may be managed to meet federal standards for funding assistance established by the United States Army Corps of Engineers under Public Law 84-99 or other laws and regulations adopted to guide the diking and drainage functions. This exemption shall not apply to public or private activities which expand the levee, dike or drain beyond its design characteristics at the time of adoption of this Critical Areas Ordinance, and activities which expand or create new facilities shall not be exempt (Ordinance #17456).
- ~~(10)~~ Education and scientific research activities which do not adversely impact critical areas or their buffers.
- ~~(11) Construction or modification of navigational aids and channels markers.~~
- ~~(12)~~ Site investigation work necessary for land use applications such as surveys, soil logs, ~~percolation tests~~ and other related activities which does not adversely impact critical areas or their buffers. In every case, critical ~~area~~areas impacts shall be minimized and disturbed areas shall be immediately restored.
- ~~(13)~~10 ~~Activity~~Activities adjacent to artificial watercourses which are constructed and actively maintained for irrigation and drainage; provided, that any activity shall comply with ~~RCW 77.55 75.20.100 and 75.20.103~~ by securing written approval from the State Department of Fish and Wildlife; and provided further, that the activity must also comply with all applicable State and local drainage, erosion and sedimentation control requirements for water quality. The operator shall notify the Administrative Official in writing regarding the location and

nature of anticipated activities a minimum of 14 days prior to commencing any such activity. Such notification shall be a condition for allowance of this activity without standard review. This allowance only applies to activities not subject to 14.24.120(4)(d).

- (1411) Maintenance activities such as mowing and normal pruning, provided that such maintenance activities are limited to existing landscaping improvements and do not expand into critical areas or associated buffers, do not expose soils, do not alter topography, do not destroy or clear native vegetation, and do not diminish water quality or quantity. This allowance shall not be construed as applying to agricultural activities undertaken outside the Agriculture-NRL ~~district~~ zoning district.
- (1512) Fish, wildlife, wetland and/or riparian enhancement activities not required as mitigation provided that the project is approved by the U.S. Department of Fish and Wildlife, U.S. Army Corps of Engineers, the Washington State Department of Fish and Wildlife or the Washington State Department of Ecology. (Ord. O20030020 (part); Ord. 17938 Attch. F (part), 2000)

14.24.080 Standard Critical Area Review and Site Assessment Procedures generally.

~~The administrative procedure for critical areas review shall be as follows:~~

- (1) ~~Determination That an Activity Requires Standard County Review.~~ All applications for approval of activities requiring written authorization pursuant to SCC 14.24.060 of this Chapter shall require the submission of a critical areas checklist completed and filed by the Applicant on the forms provided by ~~the Planning and Permit Center~~ Development Services. If not otherwise required, all applications for critical areas review shall include a description of the proposed activity and a site plan showing the location of the proposed activity and associated area of disturbance in relation to all known critical areas or critical ~~area~~ areas indicators. Upon receipt of the application, the Administrative Official shall determine whether the proposed activity fits within any of the Activities Allowed without Standard Review found in SCC ~~14.24.100.070~~. If the proposed activity is so allowed and meets the associated conditions for such an allowance, no other critical areas review shall be required, except as necessary for the Administrative Official to ensure that any conditions for such an allowance are met in practice. The Administrative Official shall note this determination in the application file and provide written authorization for the project or activity to proceed as proposed in the application when undertaken in accordance with any conditions for such an allowance.

~~Proposed activities identified under SCC 14.24.100 that do not meet the conditions for such an allowance or that the Administrative Official determines may result in significant adverse impacts to a critical area or its buffer shall be subject to standard critical areas review.~~

- (2) ~~Method for Initial Determination of Critical Areas~~Review Procedures.
Upon determination that the proposed activity is not allowed without standard review, and upon receipt of a completed critical areas checklist or a complete Critical Areas Review application, the Administrative Official shall use the following method to determine whether critical areas or their required buffers ~~will possibly~~are within 200 feet or a distance otherwise specified in this Chapter or may be affected by the proposed activity:
- (a) Review the critical areas checklist together with the maps and other critical areas resources identified in the relevant sections of this Chapter; and
 - (b) Complete the Critical Areas Staff Checklist; and
 - (c) Inspect the site; and
 - (d) Complete the Critical Areas Field Indicator form.
- (3) ~~Determination That Critical Areas are~~Are Not Affected~~Present Or Affected.~~
- (a) ~~If the Administrative Official determines that critical areas indicators or critical area buffers are not present within 200 feet of the proposed activity or within a distance otherwise specified in this Chapter; or, then the review required pursuant to this Chapter is complete, except as necessary for the Administrative Official to ensure that the proposed activity is undertaken as described in the application and as shown on the site plan.~~
 - (b) ~~The project does not expand an existing single-family residence by more than 200 square feet of floor area and does not adversely impact or encroach into critical areas or their buffers; or~~
 - (c) ~~The project does not does expand an existing structure, other than a single-family residence, by more than 200 square feet of floor area, does not alter the use or increase septic effluent, pursuant to the nonconforming use and structure provisions of SCC 14.16, and does not adversely impact or encroach into critical areas or their buffers; then~~
 - (d) ~~The review required pursuant to this Chapter is complete. The Administrative Official shall ensure that the proposed activity is undertaken as described in the application and as shown on the site plan. The determination shall be noted in the application file and written authorization shall be provided. This determination shall not constitute approval of any use or activity nor its compliance with the requirements of this Chapter, outside the scope of that stated in the application. Any proposed change in~~

use or scope of activity from that contained in the application shall be subject to further review under this Chapter.

~~The Administrative Official shall note this determination in the application file and provide written authorization for the project or activity to proceed as proposed in the application or, where applicable, with any specific conditions of approval. This determination shall not constitute approval of any use or activity nor its compliance with the requirements of this Chapter, outside the scope of that stated in the application. Any proposed change in use or scope of activity from that contained in the application shall be subject to further review under this Chapter. The Applicant shall acknowledge in writing that this determination by the Administrative Official regarding the apparent absence of critical area indicators and the likelihood that critical areas will not be affected is not intended as an expert certification regarding the presence or absence of critical areas and that the critical areas review process is subject to possible reopening if new information is received as described in Subsection (4) below. If the Applicant wants greater assurance of the accuracy of any such critical area indicators determination, the Applicant shall hire a qualified critical areas expert to provide such assurances.~~

~~(4) Re-opening of Review Process.~~

- ~~(a) If at any time prior to completion of the public input process on the associated permit or approval, the Administrative Official receives new evidence that a critical area may be present within 200 feet of the project area or within a distance otherwise specified in this Chapter, then the Administrative Official shall reopen the critical areas review process pursuant to this Chapter and shall require whatever level of critical areas review and mitigation as is required by this Chapter.~~
- ~~(b) Once the public input process on the associated permit or approval is completed and the record is closed, then the Administrative Official's determination regarding critical areas pursuant to this Chapter shall be final, unless appealed as described in SCC 14.24.730 below; provided, however, that the Administrative Official shall not be prevented from reopening the critical areas review process if County staff relied on misinformation provided by the Applicant in the application or checklist. For the purposes of this Subsection, "misinformation" means information regarding the nature and/or location of the proposed activity as presented in the application or regarding the presence of a critical area or critical area indicators on the subject property which the Applicant knew or should have known was relevant at the time of the submittal of the checklist. Prior to reopening a critical areas review under this Subsection, the Administrative Official shall make a site visit. No critical~~

~~areas review shall be reopened under this Section unless the Administrative Official determines, after the site visit, that the Applicant provided misinformation.~~

- ~~(e) If a critical areas review is reopened under this Subsection after a permit or approval is granted, the burden of proof on whether the Applicant submitted "misinformation" at the time of the submittal of the checklist shall be on the Administrative Official. The fact that the Applicant no longer owns the subject property at the time the Administrative Official discovers the misinformation shall not be a bar to reopening critical areas review. The Applicant or landowner who submitted the critical areas checklist upon which the misinformation was discovered shall be the responsible party for compliance with this Chapter, including any necessary mitigation.~~

(4) Determination That Critical Areas Are Present Or Affected. If the Administrative Official determines that critical area indicators are present within 200 feet of the proposed activity or within a distance otherwise specified in this Chapter, then the Administrative Official shall note this determination in the application file and the applicant shall be required to provide the critical areas site assessment specified in this Chapter. Development of a Site Assessment may precede a County site visit, provided that no disturbance of vegetation or land surface occurs prior to County authorization. If the applicant chooses, the site assessment may be limited to 300 feet surrounding a proposed development only if there are no other activities occurring or proposed on the remainder of the parcel which are in conflict with this Chapter. If the applicant, together with assistance from the Administrative Official, cannot obtain permission for access to properties within 300 feet of the project area, then the site assessment may also be limited accordingly. The site assessment shall be completed as follows:

- (a) The site assessment shall be prepared by a qualified professional for the type of critical area or areas involved and shall contain the information specified for each type of critical area. The qualified professional may consult with the Administrative Official prior to or during preparation of the site assessment to obtain County approval of modifications to the contents of the site assessment.
- (b) The site assessment shall use scientifically valid methods and studies in the analysis of critical areas data and field reconnaissance and reference the source of science used.
- (c) The site assessment shall include:
- (i) Project description that includes a detailed narrative describing the project, its relationship to the critical area and its potential impact to the critical area; and

- ~~(ii) — The Administrative Official determines that the project or activity as proposed will not impact the critical area and will not impact a buffer twice the standard width; and~~
- ~~(iii) — The Administrative Official determines that such a waiver will not reduce the long term protection of the identified critical area; and~~
- ~~(iv) — Prior to any such waiver, the Administrative Official shall either convene a site visit by a Technical Team or provide opportunity for review and comment by members of a Technical Team in which participation has been solicited from appropriate Federal, State and Tribal natural resource agencies; and~~
- ~~(v) — The Administrative Official shall consider all comments received from individual team members prior to waiving the site assessment requirements of this Chapter and shall include these comments in the record along with the basis and rationale for any such decision, and~~
- ~~(vi) — The property owner has submitted a site specific Farm Management plan, approved by the Skagit County Conservation District consistent with adopted NRCS standards to the Administrative Official.
 - ~~(a) — Such Plans must be sufficient to meet the environmental quality standards of the State of Washington established pursuant to RCW 90.48 Water Pollution Control, WAC 173 201 Water Quality Standards for Surface Waters of the State of Washington, and WAC 173 200 Water Quality Standards for Ground Waters of the State of Washington.~~
 - ~~(b) — Plans shall include BMP's, including Riparian buffers, sufficient to ensure long term protection of anadromous fish and their habitats.
 - ~~(1) — Review and approval of Farm Management Plans.
 - ~~[a] — Upon receipt of a properly submitted conservation plan, the Administrative Official shall review the plan for consistency with this Chapter.~~
 - ~~[b] — The Administrative Official shall have the authority to approve, deny or condition submitted conservation plans utilizing available resource information.~~
 - ~~[c] — Conservation plans that are denied or conditioned shall be returned to the landowner~~~~~~~~

~~within 30 days of submission along with a letter detailing the aspects of the plan that were inconsistent with this Chapter. Any such plans may be modified on a voluntary basis by the landowner and re-submitted.~~

~~[d] — Approved farm management plans shall conform to the requirements set forth in SCC 14.06.170.~~

~~(b) — For any project or activity for which the site assessment requirement has been waived, no further critical area review shall be required, except as necessary for the Administrative Official to ensure that the proposed activity is undertaken as described in the application and as shown on the site plan. Such projects or activities shall not be required to comply with the Protected Critical Area requirements established under SCC 14.24.170 of this Chapter. The Administrative Official shall note this waiver in the application file and provide written authorization for the project or activity to proceed as proposed in the application or, where applicable, with any specific conditions of approval.~~

~~(7) — Critical Areas Determination and Conditions of Approval. Based on the critical areas site assessment report and other available critical areas information, the Administrative Official shall make a determination on the proposed activity. A determination to approve a proposed activity shall include designation of Protected Critical Areas (PCAs) pursuant to SCC 14.24.170 and stipulation of binding conditions and required mitigation, monitoring, maintenance or other conditions of approval pursuant to this Chapter. If the Administrative Official determines that there are no conditions under which the proposed activity could be approved, then the Administrative Official shall deny the proposal.~~

(5) Maintenance Corridor. In order to provide an area for construction and maintenance, buildings and other structures shall be set back a distance of 15 feet from the edges of a critical areas buffer. This distance may be modified pursuant to the recommendation of the site assessment and with the approval of the Administrative Official. The following may be allowed in the maintenance corridor area:

(a) Landscaping with non-invasive species only;

(b) Uncovered decks;

(c) Building overhangs if such overhangs do not extend more than 18 inches into the setback area;

- (d) Impervious ground surfaces, such as driveways and patios; provided, that such improvements may be subject to special drainage provisions adopted for the various critical areas; and
 - (e) Trails.
- (6) General Mitigation Requirements.
- (a) Mitigation. All proposed alterations to critical areas or associated buffers shall require mitigation sufficient to provide for and maintain the functions and values of the critical area or to prevent risk from a critical areas hazard and shall give adequate consideration to the reasonable and economically viable use of the property.
 - (b) Mitigation Sequence. The sequence of mitigation is defined below:
 - (i) Avoid the impact altogether by not taking a certain action or parts of an action;
 - (ii) Minimize the impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology, or by taking affirmative steps to avoid or reduce impacts;
 - (iii) Rectify the impact by repairing, rehabilitating or restoring the affected environment to the conditions existing at the time of the initiation of the project or activity;
 - (iv) Reduce or eliminate the impact over time by preservation and maintenance operations during the life of the action;
 - (v) Compensate for the impact by replacing, enhancing, or providing substitute resources or environments.
 - (c) Financial Assurance. The Administrative Official shall require the mitigation proposed in the site assessment to be completed prior to final approval of the development permit. For all projects with an estimated mitigation cost of \$10,000 or more, the Administrative Official shall require financial assurance which will guarantee compliance with the mitigation plan if the mitigation proposed in the site assessment cannot be completed prior to final approval of the development permit. Financial assurance shall be in the form of either a surety bond, performance bond, assignment of savings account or an irrevocable letter of credit guaranteed by an acceptable financial institution with terms and conditions acceptable to the County Prosecuting Attorney, shall be in the amount of 125% of the estimated cost of the uncompleted actions or construction, and shall be assigned in favor of Skagit County Planning and Development Services. The term of the financial assurance shall remain in place until the required mitigation is complete.

- (8) ~~Option to Apply for a Variance. If, as a result of the critical areas site assessment and determination, the Applicant believes that he or she is eligible for a variance from one or more of the dimensional requirements of this Chapter, then the Applicant may request a variance as described in SCC 14.24.140.~~
- (9) ~~Option to apply for a reasonable use exception: If, as a result of the critical areas site assessment and determination, the Applicant believes that the requirements of this Chapter, including any request for a variance from the requirements of this Chapter, still leave the Applicant with no reasonable economically viable use of his or her property, then the Applicant may apply for a reasonable use exception pursuant to SCC 14.24.150 of this Chapter. (Ord. 17938 Attch. F (part), 2000)~~

14.24.090 Critical areas checklist, site assessment and conditions of approval.

- (1) ~~Critical Areas Checklist. Pursuant to SCC 14.24.060 and .080 of this Chapter, every application for an activity that might alter or adversely affect a critical area or associated buffer shall include a critical area checklist on a form provided by the Administrative Official. The checklist shall identify all critical area indicators and/or all known critical areas within 200 feet of the proposed activity or within a distance otherwise specified in this Chapter. The checklist shall be signed by the Applicant and shall inform the Applicant that if the information on the checklist is later determined incorrect, then the project or activity may be subject to conditions or denial as necessary to meet the requirements of this Chapter. Any permit or approval issued based on misinformation (as described in SCC 14.24.080(4)) could be rescinded and the site required to be restored to its original condition prior to disturbance.~~
- (2) ~~Site Assessment Required. If, after the site visit, the Administrative Official determines that the proposed activity area is within 200 feet, or within a distance otherwise specified in this Chapter, of an area that may contain critical area indicators, or if the Administrative Official determines that the proposed activity will adversely impact a critical area or its associated buffer, then a complete critical areas Site Assessment shall be required. Critical areas site assessments, as described in more detail in the various Sections for each type of critical area, shall be submitted as part of a complete application for a development permit or other County approval of land use activities having the potential to impact critical areas or their buffers. If the Applicant, together with assistance from the Administrative Official, cannot obtain permission for access to properties within 200 feet of the project area, then the critical areas assessment may be limited accordingly.~~
- (3) ~~Site Assessment Preparation. The critical area site assessment shall be prepared by a qualified expert for the type of critical area or areas involved and shall contain the information specified for each type of critical area under Articles II-VI. In general, the site assessment shall include critical area inventory, assessment of impacts and, where applicable, proposed mitigation, land use restrictions and landowner~~

management, maintenance and monitoring responsibilities. The qualified expert may consult with the Administrative Official prior to or during preparation of the site assessment to obtain County approval of modifications to the contents of the site assessment where, in the judgment of the qualified expert, more or less information is required to adequately address the critical area impacts and required mitigation. The Administrative Official shall allow for peer review and receipt of recommendations from qualified resource agency personnel as part of the County process for approval of qualified experts.

- (4) ~~Any site plans required by this Chapter may be combined into a single site plan wherever possible.~~
- (5) ~~Critical Areas Determination and Conditions of Approval. Upon receipt of a properly completed site assessment report, the Administrative Official shall make a formal determination on the proposed activity as to whether it meets the requirements of this Chapter and under what conditions. In making this determination, the Administrative Official shall utilize the information provided in the site assessment report and all other resource information available to the County. If the Administrative Official determines that additional technical information or input is necessary or warranted, the Administrative Official shall either contact appropriate Federal, State or Tribal agencies or utilize a Technical Team to provide review and comment on the proposed activity. Formal determinations made by the Administrative Official shall include the basis and rationale for the determination, as well as detailed specification of related conditions of approval, land use prohibitions, and required landowner mitigation, management, monitoring and/or maintenance. All such requirements shall be incorporated into a binding agreement pursuant to SCC 14.24.170 of this Chapter.~~
- (6) ~~Complete Record. A complete record of all formal determinations by the Administrative Official, along with related critical areas checklists, site assessments, binding agreements, conditions of approval, land use prohibitions, required mitigation and a full record of comments received from Federal, State or Tribal agencies or from members of the Technical Team, shall be maintained by the County and made available to the public upon request. (Ord. 17938 Attch. F (part), 2000)~~

14.24.170-090 Protected Critical areaAreas (PCA) Requirements.

- (1) ~~PCA Identification and Recording. (a) PCA Identification. Approval of development projects which trigger a development permit and/or other land use land use activities that can cause adverse impacts to require critical areas site assessment(s) and/or their buffers shall require the identification and designation of PCAs by the Administrative Official. However, if the applicant chooses, the site assessment may be limited to 200 feet surrounding a proposed development only if there are either no other activities occurring or proposed on the remainder of the parcel which are in conflict with this Chapter. Once an activity is proposed the applicant must re-enter the process identified in 14.24.160 and 14.24.170. The portions of the parcel which have not received a site~~

~~assessment shall be placed into an Open Space Protected Area (OS PA) which includes a recorded notification that the area must have a site assessment completed 200 feet around any proposed activity before that activity may occur. The same requirements for a PCA under Section 14.24.170(1) shall apply to an OS PA. If the development project is a CaRD application and is within a natural resource land, the remainder parcel shall be put into OS-NRL and shall have all of the constraints that are set forth in this Chapter. PCAs shall be depicted on a site plan, suitable for recording, and shall include all critical areas and associated buffers on the proposed project or activity site, which have been identified through the site assessment process.~~

(2) PCA Field Identification and Buffer Edge Markers.

- (a) Temporary Markers. During construction phases of development, distinct temporary marking consisting of flagging and/or staking shall be maintained along the outer limits of the delineated PCA or the limits of the proposed site disturbance outside of the PCA. Prior to the start of construction activity, and as necessary during construction, temporary markings shall be inspected by the Administrative Official or qualified professional. Written confirmation to be included in the record as to whether or not the flagging has been installed consistent with the permit requirements prior to commencement of the permitted activity.
- ~~(b) Permanent Buffer Edge Markers. Except as provided under Subsection (i) below, the outer edges of all PCAs, with the exception of aquifer recharge areas, shall be clearly marked onsite by the Applicant or landowner with permanent rebar stakes and critical areas markers. Critical areas markers may be either approved critical areas signs or inexpensive steel posts painted a standard color approved by the Administrative Official that is clearly identifiable as a critical areas marker. Installation of permanent markers shall be the responsibility of the landowner.~~
- ~~(i) The Administrative Official may waive or modify the requirement for permanent buffer edge markers provided that any such decision shall be based on a site-specific determination that future verification of PCA locations will not be substantially more difficult without the placement of permanent markers and that such waiver or modification will not result in reduced long-term protection of critical areas. Prior to approving any such waiver or modification, the Administrative Official shall provide the opportunity for review and comment by members of a Technical Team in which participation has been solicited from appropriate Federal, State and Tribal natural resource agencies. The comments of individual~~

~~team members shall be included in the permanent record and made available to the public upon request.~~

- (ii) Where such permanent markers are required, the Administrative Official shall specify their frequency of placement and general location. Permanent markers shall be placed to locate the edge of the PCA to an approximate accuracy of within five (5) percent of the specified buffer width or within five (5) feet, whichever is larger. The spacing intervals of the markers shall be such as to provide comparable accuracy of line-of-sight determination of buffer edges. The locations of all required stakes/markers shall be shown on the plat map or site ~~map~~ plan recorded with the Auditor.

- (c) Signs or Fencing Required as Part of Critical Area Mitigation.
The Administrative Official shall require permanent signs or fencing where the Administrative Official determines that it is a necessary component of a mitigation plan. The intent is to provide clear and sufficient notice, identification and protection of critical areas on-site where damage to a critical area or buffer by humans or livestock is probable due to the proximity of the adjacent activity.

- (d) Sign, Marker and Fence Maintenance. It is the responsibility of the landowner, or any subsequent landowner, to maintain the required PCA markers, signs or fences in working order throughout the duration of the development project or land use activity. Maintenance includes any necessary replacement. Removal of required signs, markers or fences without prior written approval of the Administrative Official shall be considered a violation of this Chapter. (Ord. 17938 Attch. F (part), 2000)

(3) PCA Recording and Binding Agreements.

- (~~ba~~) ~~PCA Recording.~~ All PCAs shall be recorded with the County Auditor in accordance with the procedures established under this Section. The Applicant shall be responsible for all fees and other costs associated with recording of PCAs.
- (~~eb~~) Binding Agreements. For each project or activity that requires recording of PCAs, the following information shall be recorded with the Auditor using forms provided by Planning and Development Services, as part of a binding agreement between the landowner and the County which shall run with the land and be readily available to the public upon request:
- (i) Binding agreement signed by the landowner and the Administrative Official ~~or designee~~ which stipulates any special conditions of approval, protective covenants, binding conditions, or other requirements such as use

restrictions, required mitigation, and/or landowner maintenance or monitoring requirements established at the time of approval;

- ~~(ii)~~ Required final plat map or site plan clearly showing the locations of PCAs, existing vegetation and permanent buffer edge markers;
- ~~(iii)~~ Additional information necessary to document the critical areas inventory at the time of approval, including descriptions of identified critical areas, their locations, functions and values, and existing critical areas or buffer vegetation;
- ~~(iv)~~ Identification of any County responsibilities beyond those required by this Chapter;
- ~~(vii)~~ Reference to the County file containing the complete record of information pertaining to approval of the project or activity.

~~(34)~~ PCAs on Pre-Existing Lots.

- (a) For development proposals and other land use activities ~~that can adversely impact critical areas~~ on pre-existing lots, not part of a proposed land division, Planned Unit Development (PUD) or other form of multiple lot development, PCAs shall be identified on a scaled site plan showing the location of the PCA, structures (existing and proposed) and their distances from the PCA and lot lines to show relative location within the subject parcel(s). All PCAs shall include the necessary labeling to show calculated area (in square feet or acreage), and type or category of critical area designated. ~~The project or activity shall be conditioned for critical area protection and the resulting information recorded with the Auditor as defined under Subsection (1) above.~~ The site plan may be prepared by the Applicant and all distances and locations of structures may be measured from the established PCA boundary to within plus or minus five (5) feet.
- (b) Ingress and egress. Owners of PCAs shall grant ingress and egress by the Administrative Official ~~or designee~~ for monitoring and evaluation of compliance with established conditions of approval, binding conditions or any required mitigation.

~~(25)~~ ~~Protected Critical Area (PCA)~~ PCA Designations for New Land Divisions.

- (a) For land divisions and PUDs where critical areas have been identified through a site assessments ~~have occurred pursuant to SCC 14.24.170(1)(a)~~, all PCAs shall be placed into separate tracts or easements, whose uses shall be regulated by the provisions of this Chapter ~~and any conditions of approval, including protective covenants and binding agreements as provided for under Subsection (1) above.~~ Area within a PCA can be included in total acreage for development purposes and may

be used in lot area or density calculations. PCAs may be owned and maintained by the owner of the lot of which they are a part or transferred to the County, homeowners association or land trust. See SCC 14.24.180-130 regarding incentives that may be available for lands designated as PCAs.

- (b) If the development project is a CaRD application and is within a natural resource land, the remainder parcel shall be put into OS-PA or OS-NRL and shall have all of the constraints that are set forth in this Chapter.
- (i) If the development project is a short subdivision conducted pursuant to SCC 14.16.860 (Agricultural Land Preservation) which segregates an existing single-family residence on a substandard lot while preserving the remainder of the parcel under a County approved agricultural preservation agreement, said short subdivision shall not include additional development as defined under SCC 14.04.020 and that subsequent development on the segregated home site and/or remainder parcel shall require standard review pursuant to SCC 14.24.
- (bc) Recording. PCA designations shall be recorded with the Auditor as part of the plat approval process. The Auditor file number referencing the agreement shall be on the face of the plat and its provisions shall run with the land.
- (ed) PCA Plat Map Descriptions. The location of PCAs shall be clearly identified on ~~site plans and on~~ preliminary and final plat maps. PCAs shall be labeled using the letters A through Z, or another labeling system approved by the Administrative Official. If a survey was not used to map the critical area, a note on the final plat map shall be recorded stating that a legal survey was not performed to delineate the critical area and that the surveyor is not incurring liability for the exact boundaries of the critical area on the plat map. All PCAs shall include the necessary labeling to show calculated area (in square feet or acreage), and type and/or category of critical areas within each lot. This information shall be noted on the face of the approved plat. ~~Where more than 1 lot is involved, each lot shall carry independent labeling as described in subsection (4)(a) below.~~
- (e) PCA Maintenance. The PCA is to be left undisturbed in its natural state. No clearing, grading, filling, logging, or removal of woody material, building, construction or road construction of any kind, planting of non-native vegetation or occupation by livestock is allowed within the PCA areas except as specifically permitty by Skagit County on a case-by-case basis.

- (d) Ingress, Egress and Use. Owners of PCAs shall grant ingress and egress by the Administrative Official ~~or his or her agent~~ for monitoring and evaluation of compliance with established conditions of approval, binding conditions or any required mitigation. ~~As part of an approved land division, the use limitations required of a designated and regulated critical area according to the provisions of this Chapter, including the conclusions of the critical areas site assessment report and any conditions of approval, protective covenants and other binding conditions, shall be clearly stated on the face of the recorded plat.~~

~~(4) PCA Mapping, Labeling, and Area Calculations:~~

- (a) ~~All PCAs or OS PAs shall be mapped. The area shall be delineated on the final plat map or on a site plan to an accuracy of plus or minus 5 feet horizontal and monumented in the field by a qualified expert pursuant to SCC 14.24.170(1)(d). If a survey was not used to map the critical area, a note on the final plat map shall be recorded stating that a legal survey was not performed to delineate the critical area and that the surveyor is not incurring liability for the exact boundaries of the critical area on the plat map.~~
- (b) ~~During construction phases of development, clear temporary marking using flagging and staking shall be maintained along the outer limits of the delineated PCA or the limits of the proposed site disturbance outside of the PCA. Prior to the start of construction activity, and as necessary during construction, temporary markings shall be inspected and approved by the Administrative Official or designee. The person responsible for inspecting the temporary flagging shall provide written confirmation to be included in the record as to whether or not the flagging has been installed consistent with the permit requirements prior to commencement of the permitted activity.~~
- (c) ~~All PCAs shall include the necessary labeling to show calculated area (in square feet or acreage), and type and/or class of critical area within each lot. This information shall be noted on the face of the approved plat or site plan.~~
- (d) ~~Signs or Fencing Required as Part of Critical Area Mitigation. The Administrative Official shall require permanent signs or fencing where the Administrative Official determines that it is a necessary component of a mitigation plan. Examples include situations where variances to the dimensional requirement of this Chapter have been granted and the development will occur within a PCA; or where the sensitivity of the PCA will be impacted unless access to the PCA is limited (such as changes of~~

use to farming where livestock is involved). The intent is to provide clear and sufficient notice, identification and protection of critical areas on-site where damage to a critical area or buffer by humans or livestock is probable due to the proximity of the adjacent activity.

- (e) ~~Sign, Marker and Fence Maintenance. It is the responsibility of the landowner, or any subsequent landowner, to maintain the required PCA markers, signs or fences in working order throughout the duration of the development project or land use activity. Maintenance includes any necessary replacement. Removal of required signs, markers or fences without prior written approval of the Administrative Official shall be considered a violation of this Chapter. (Ord. 17938 Attech. F (part), 2000)~~

14.24.100 Activities allowed without standard review.

~~The following developments, land use activities and associated uses occurring in critical areas and their buffers are allowed without standard critical areas review from the County, provided that they are consistent with other applicable provisions of this Chapter and other Chapters of the Skagit County Code. All such activities shall be carried out in ways that cause the least impact to critical areas and their buffers. If any damage is caused to a critical area or buffer in connection with such activity, the critical area and its buffer must be restored to the extent feasible. To be allowed without standard review does not give permission to destroy a critical area or ignore risk. Proponents of such activities shall be responsible for notifying the Administrative Official if any damage occurs and shall provide all necessary restoration or mitigation. For information on identifying, protecting or mitigating adverse impacts to critical areas, refer to sections in this Chapter on wetlands, aquifer recharge areas, geologically hazardous areas, fish and wildlife habitat conservation areas, and flood hazard areas.~~

- (1) ~~Emergencies That Threaten the Public Health, Safety and Welfare. An emergency is an unanticipated and imminent threat to the public health or safety or to the environment which requires immediate action within a period of time too short to allow full compliance with this Chapter. Emergency actions that create an impact to a critical area or its buffer shall use reasonable methods that can address the emergency but also that have the least possible impact to the critical area or its buffer. The responsible party shall restore the critical area and buffer after the emergency to the extent feasible. The person or agency undertaking such action shall notify the Administrative Official within 1 working day or as soon as practical following commencement of the emergency activity. Following such notification, the Administrative Official shall determine if the action taken was within the scope of the emergency actions allowed in this Subsection. If the Administrative Official determines that the action taken or any part of the action taken was beyond the scope of allowed emergency actions, then the enforcement provisions of SCC 14.44 (Enforcement/Penalties) shall apply.~~

- ~~(2) Existing activities defined as ongoing agriculture on designated agricultural land, including related development and activities which do not result in expansion into a critical area or its buffer and which do not result in significant adverse impacts to a critical area or its buffer, provided that such activities comply with the provisions of SCC 14.24.120 of this Chapter.~~

~~New development and/or expansion of existing agricultural operations shall comply with both the substantive and procedural provisions of this Chapter. Existing and ongoing agricultural activities that result in significant adverse impacts to a critical area or its buffer shall not be allowed without standard review under this Section.~~

- ~~(3) Normal and routine maintenance or repair of existing structures, utilities, sewage disposal systems, potable water systems, drainage facilities, ponds, or public and private roads and driveways associated with pre-existing residential or commercial development, provided any maintenance or repair activities shall use reasonable methods with the least amount of potential impact to the critical areas and any impact to a critical area or its buffer shall be restored after the maintenance to the extent feasible.~~
- ~~(4) Normal maintenance, repair, or operation of existing structures, facilities, and improved areas accessory to a single family residential use, provided any maintenance or repair activities shall use reasonable methods with the least amount of potential impact to the critical area and any impact to a critical area or its buffer shall be restored after the maintenance to the extent feasible. This allowance shall not be construed as applying to agricultural activities undertaken outside of the Agriculture NRL district.~~
- ~~(5) Modification of an existing single family residence that does not change the use from residential, does not expand the building footprint or increase septic effluent, and does not adversely impact critical areas or their buffers.~~
- ~~(6) Modification of other than a single family use which does not expand the building footprint, alter the use or increase septic effluent, pursuant to the requirements of the nonconforming use and structure provisions, and does not adversely impact critical areas or their buffers.~~
- ~~(7) Outdoor recreational activities which do not adversely impact critical areas or their buffers.~~
- ~~(8) The harvesting of wild crops in a manner that is not injurious to natural reproduction of such crops and provided the harvesting does not require tilling soil, planting crops, or changing existing topography, water conditions or water sources and provided further that the activity does not adversely impact critical areas or their buffers.~~
- ~~(9) Provided the requirements of SCC 14.24.120(4)(d) are met for ongoing agriculture, the lawful operation and maintenance of public and private~~

diking and drainage systems which protect life and property along the Skagit and Samish Rivers and tidal estuaries in Skagit County. This exemption shall apply to the existing structures and design prism of levees, dikes, and artificial watercourses and the following subflood control zones: Britt Slough SFCZ, South Mount Vernon SFCZ and Dunbar SFCZ 40 feet landward of the landward toe of the structure or facility and 40 feet waterward of the waterward toe of the structure, measured horizontally from the face of the levee, dike or bank of the artificial drainage structure toward the ordinary high water mark. The exempt area for operation and maintenance may be managed to meet federal standards for funding assistance established by the United States Army Corps of Engineers under Public Law 84-99 or other laws and regulations adopted to guide the diking and drainage functions. This exemption shall not apply to public or private activities which expand the levee, dike or drain beyond its design characteristics at the time of adoption of this Critical Areas Ordinance, and activities which expand or create new facilities shall not be exempt.

- (10) — ~~Education and scientific research activities which do not adversely impact critical areas or their buffers.~~
- (11) — ~~Construction or modification of navigational aids and channels markers.~~
- (12) — ~~Site investigation work necessary for land use applications such as surveys, soil logs, percolation tests and other related activities which do not adversely impact critical areas or their buffers. In every case, critical area impacts shall be minimized and disturbed areas shall be immediately restored.~~
- (13) — ~~Activity adjacent to artificial watercourses which are constructed and actively maintained for irrigation and drainage; provided, that any activity shall comply with RCW 75.20.100 and 75.20.103 by securing written approval from the State Department of Fish and Wildlife; and provided further, that the activity must also comply with all applicable State and local drainage, erosion and sedimentation control requirements for water quality. The operator shall notify the Administrative Official in writing regarding the location and nature of anticipated activities a minimum of 14 days prior to commencing any such activity. Such notification shall be a condition for allowance of this activity without standard review.~~
- (14) — ~~Maintenance activities such as mowing and normal pruning, provided that such maintenance activities are limited to existing landscaping improvements and do not expand into critical areas or associated buffers, do not expose soils, do not alter topography, do not destroy or clear native vegetation, and do not diminish water quality or quantity. This allowance shall not be construed as applying to agricultural activities undertaken outside the Agriculture NRL district.~~
- (15) — ~~Fish, wildlife, wetland and/or riparian enhancement activities not required as mitigation provided that the project is approved by the U.S.~~

~~Department of Fish and Wildlife, the Washington State Department of Fish and Wildlife or the Washington State Department of Ecology. (Ord. 020030020 (part); Ord. 17938 Attech. F (part), 2000)~~

14.24.100 Critical Areas Determination and Conditions of Approval.

Based on the critical areas site assessment and other available critical areas information, the Administrative Official shall make a determination on the proposed activity. A determination to approve a proposal shall include designation of Protected Critical Areas (PCAs) pursuant to SCC 14.24.090 and stipulation of binding conditions and required mitigation, monitoring, maintenance or other conditions of approval pursuant to this Chapter.

- (1) If the Administrative Official determines that there are no conditions under which the proposed activity could be approved, then the Administrative Official shall deny the proposal.
- (2) Formal determinations made by the Administrative Official shall include the basis and rationale for the determination, as well as detailed specification of related conditions of approval, land use prohibitions, and required landowner mitigation, management, monitoring and/or maintenance.
- (3) Complete Record. A complete record of all formal determinations by the Administrative Official, along with related critical areas checklists, site assessments, binding agreements, conditions of approval, land use prohibitions and required mitigation shall be maintained by the County and made available to the public upon request, pursuant to RCW 40.14.
- (4) Option to Apply for a Variance. If, as a result of the critical areas site assessment and determination, the applicant believes that he or she is eligible for a variance from one or more of the dimensional requirements of this Chapter, then the applicant may request a variance as described in SCC 14.24.140.
- (5) Option to Apply for a Reasonable Use Exception. If, as a result of the critical areas site assessment and determination, the applicant believes that the requirements of this Chapter, including any request for a variance from the requirements of this Chapter, still leave the applicant with no reasonable and economically viable use of his or her property, then the applicant may apply for a reasonable use exception pursuant to SCC 14.24.150 of this Chapter.
- (6) Re-opening of Review Process.
 - (a) If at any time prior to completion of the public input process on the associated permit or approval, the Administrative Official receives new evidence that a critical area or a critical area buffer may be present within 200 feet of the project area or within a distance otherwise specified in this Chapter, then the Administrative Official shall reopen the critical areas review process pursuant to this Chapter and shall require whatever level

of critical areas review and mitigation as is required by this Chapter.

- (b) Once the public input process on the associated permit or approval is completed and the record is closed, then the Administrative Official's determination regarding critical areas pursuant to this Chapter shall be final, unless appealed as described in SCC 14.24.730 below; provided, however, that the Administrative Official shall not be prevented from reopening the critical areas review process if County staff relied on misinformation provided by the applicant in the application or checklist. Prior to reopening a critical areas review under this Subsection, the Administrative Official shall make a site visit. No critical areas review shall be reopened under this Section unless the Administrative Official determines, after the site visit, that the applicant provided misinformation.
- (c) If a critical areas review is reopened under this Subsection after a permit or approval is granted, the burden of proof on whether the applicant submitted misinformation at the time of the submittal of the checklist shall be on the Administrative Official. The fact that the applicant no longer owns the subject property at the time the Administrative Official discovers the misinformation shall not inhibit reopening critical areas review.

14.24.110 County Regulation of Forest Practices for the Protection of Critical Areas.

Forest practices governed under ~~RCW Chapter 76.09 RCW~~ are subject to the provisions of this Section as follows:

- (1) All Class IV-General forest practices that propose conversion to a use other than commercial timber production shall be subject to all of the provisions of this Section.
- (2) Any request for County approval of a Conversion Option Harvest Plan (COHP) shall be subject to all of the provisions of this Section.
- (3) The County shall coordinate the review of forest practice applications within the urban growth areas (UGAs) of incorporated cities and towns through inter-local agreements; provided, that the County shall continue to condition forest practices within all UGAs to the full extent of this ordinance until such time its jurisdictional responsibility is amended by interlocal agreements.
- (4) The following shall be subject to a 6 year moratorium on all future activities which require a permit or land use approval from the County.
 - (a) Forest practices of any class governed by ~~Chapter RCW 76.09 RCW~~ that:

- (a) ~~(i) Do not fall under Subsections (1), (2) or (3) of this Section above; and~~
- (b) ~~(ii) Where no significant threat to the public safety or welfare is indicated; and~~
- (c) ~~(iii) Where no indications exist of future conversion to uses other than forest practices; or shall be subject to the 6-year moratorium provisions of this Chapter consistent with Chapter 76.09 RCW. All forest practice related activities, however, will be regulated by the Department of Natural Resources under the provisions of Chapter 76.09 RCW and Title 222 WAC. Requests for waivers of the 6-year moratorium shall be subject to all the provisions of this Section (see Subsections (5), (6) and (7) of this Section).~~
- (5) ~~(b) Where an undeclared conversion of forested land to a specified use has occurred under a non-conversion forest practice application (FPA) without an approved COHP in good standing; or~~
- (c) ~~When harvesting takes place without an forest practice application (FPA). In this case, the moratorium shall begin on the date the harvest activity was discovered by the DNR or the County or where an undeclared conversion of forested land to a specified use has occurred under a non-conversion FPA without an approved COHP in good standing, the County shall impose a 6-year moratorium on all future activities which require a permit or land use approval from the County beginning from the date the harvesting activity was discovered by the DNR or the County.~~
- (6) ~~Waiver of the 6-Year Moratorium. The applicant may apply to the County for a waiver of the 6-year moratorium. The fee for all waiver applications shall be paid to the County and shall be double the standard fee amount charged by the DNR for a Class IV General Conversion review.~~
- (a) ~~Waiver for one Single-Family Residence and Outbuildings. The 6-year moratorium may be waived for constructing construction of a single-family residence or outbuildings, or both, on a legal lot of record and building site where such activity complies with all applicable County ordinances. Such waiver may be issued by the Planning Director Administrative Official where a finding can be made that granting the waiver meets the criteria noted in Subsection (6)(c) of this Section below. Before acting on the request for waiver of the moratorium, the Administrative Official Planning Director, or designee, shall issue a notice of development application (NODA) consistent with the procedures under Chapter 14.06 SCC, including a 15-day comment period; provided further, where the initial critical area areas review and site visit concludes that no critical areas have been impacted, or~~

do not exist, the ~~Administrative Official~~ Director may waive the NODA requirement and issue the waiver.

- (b) For all other development approvals, including but not limited to subdivisions, short subdivisions, Comprehensive Plan amendments, rezones, special use permits, variances, and fill and grade permits (except where fill and grading is necessary to serve a single-family residence associated with a waiver request), the County shall require a public hearing before the Hearing Examiner consistent with the procedures contained in Chapter 14.06 SCC for such action.
- (c) For both ~~Subsections (6)(a) and (b) of this section~~, the following shall provide the criteria for considering a waiver to the 6-year moratorium:
- (i) A critical areas site assessment must be prepared where warranted by ~~the CAO~~ this Chapter following initial review and site visit of the use proposed for the property subject to the moratorium. The site assessment shall determine the level of impacts to County regulated critical areas and associated buffers that have occurred due to logging and any associated conversion activity. The site assessment shall also include an estimated time needed for recovery of the critical area to a state comparable to what it was before the forest practice took place.
- (ii) If, based on the prepared site assessment and comments received, the ~~Administrative Official Planning Director~~ (for single-family residences) or Hearing Examiner (for waivers subject to public hearings) determines that recovery of the critical area(s) and associated buffers can be achieved within 6 years, then a mitigation plan shall be prepared and implemented consistent with this Chapter ~~the CAO~~ and the ~~waiver moratorium~~ shall be lifted. If, however, critical areas and their buffers cannot be restored within a 6-year period to a level of critical ~~area~~ areas function comparable to what it was prior to the logging activity, the request for a waiver of the moratorium shall be denied and the County shall not accept applications for development permits for a duration of 6 years unless compensatory mitigation can be performed as approved by the County. For purposes of this Section, compensatory mitigation shall mean compliance with SCC 14.24.240, ~~250(40)~~, for wetlands; there are no compensatory mitigation options for fish and wildlife habitat conservation areas (SCC 14.24.500), including riparian areas, and none for geologically hazardous areas (SCC 14.24.400)—the landowner must meet the mitigation standards under SCC 14.24.530

and/or SCC 14.24.430 in order to be eligible for the waiver.

- (67) In situations where a request for waiver has been denied based on the evidence provided in the site assessment and public comment, restoration to the extent feasible shall occur within the critical ~~area~~ areas and their standard buffers (including reforestation), and no further land use approvals shall be issued for the duration of the 6-year moratorium. (Ord. 17938 Attch. F (part), 2000)

14.24.120 Ongoing Agriculture.

- (1) Purpose and Intent. The purpose of this Section is to address 2 mandates under the Growth Management Act (GMA): (a) to protect the existing functions and values of fish and wildlife habitat conservation areas (FWHCAs) in and adjacent to natural, modified natural and artificial watercourses as defined in SCC 14.04.020 (collectively “watercourses”), and (b) to conserve and protect agricultural lands of long-term commercial significance, specifically those lands in ongoing agricultural activity as defined by SCC 14.04.020 that are located adjacent to these watercourses. For purposes of this Section, “existing functions and values” shall mean the following:
- (a) Water quality standards identified in Chapter 173-201A WAC.
 - (b) The existing presence or absence of large woody debris within the watercourse.
 - (c) The existing riparian buffer characteristics and width, including but not limited to the existing amount of shade provided by the existing riparian buffer.
 - (d) The existing channel morphology.

Because many of the areas that are the subject of this Section are located in the Skagit and Samish River deltas or floodplains, where substantial diking, drainage and subflood control zone infrastructure has been constructed and where various diking and drainage districts and subflood control zones have lawful obligations to maintain agricultural and other drainage functions and infrastructure as established in RCW Titles 85 and 86, this Section also must accommodate those ongoing diking, drainage and flood control functions. Agricultural operations on lands which are not included in the definition of ongoing agriculture are required to comply with the other provisions of Chapter 14.24 SCC.

It is the goal of Skagit County to administer the provisions of this Section consistent with local, State and Federal programs, statutes and regulations to protect the health, welfare and safety of the community, to accommodate continued operation and maintenance of the diking, drainage and flood control infrastructure and to protect agriculture, natural resources, natural resource industries and fish and wildlife habitat conservation areas in and adjacent to watercourses. This Section is

intended, to the maximum extent possible, to rely on and coordinate with but not substitute for or duplicate other State and Federal programs, statutes and regulations that address agricultural activities in a manner that protects water quality and fish habitat. This Section is intended to supplement those existing State and Federal programs, statutes and regulations only in those areas where the County has determined existing programs do not fully address GMA requirements to protect FWHCAs in and adjacent to watercourses and to conserve agricultural lands of long-term commercial significance.

Because this Section only applies to areas in ongoing agriculture, and applies to artificial and modified natural watercourses as defined in SCC 14.04.020 that have been constructed and/or maintained to address drainage and flood control mandates under RCW Titles 85 and 86, most of the existing functions and values of the FWHCAs at issue in this Section no longer contain all of the natural, forested riparian buffer attributes and associated functions and values identified as necessary for fish habitat. As such, this Section is to be applied in conjunction with the monitoring, adaptive management and habitat commitments described in Resolution No. R20030210 to more fully address all of the habitat function and value requirements necessary to make County-wide progress towards the County's goal to restore, where necessary, and maintain healthy salmon runs in these river systems.

- (2) Applicability. Except as may otherwise be required by ESHB 1933, Chapter 321, Laws of 2003, for agricultural lands located with the jurisdiction of the Shoreline Management Act, Chapter 90.58 RCW, this Section shall apply to the following:
 - (a) As defined in SCC 14.04.020, all ongoing agriculture (including operation and maintenance of agricultural drainage infrastructure) which is located within 200 feet from a watercourse, or any ongoing agriculture (including operations and maintenance of agricultural drainage infrastructure) which adversely impacts the existing functions and values of a watercourse shall be subject to the requirements of this Section, SCC 14.24.120. Isolated, artificial watercourses that have no channelized surface hydraulic connection or no piped hydraulic connection between the artificial watercourse and any natural or modified natural watercourse or any salt water shall not be subject to the requirements of this Section. Drainage tile used to convey groundwater shall not be considered a piped hydraulic connection.
 - (b) The provisions of this Section shall not be interpreted to permit expansion of ongoing agriculture (including agricultural drainage infrastructure) into areas that did not meet the definition of ongoing agriculture on May 13, 1996, including lands that were fallow on that date but had been in agricultural production within 5 years prior to that date, unless such expansion can comply with all of the requirements for critical areas protection found in

Chapter 14.24 SCC, including but not limited to, the requirement to adhere to the standard critical areas buffers and setbacks.

- (c) In this Section, the term “best management practices (BMPs)” refers to one or all definitions of that term in SCC 14.04.020, depending on which definition is relevant within the context used.
- (3) No Harm or Degradation Standard.
- (a) All ongoing agricultural activities shall be conducted so as not to cause harm or degradation to the existing ~~functional values~~ **functions and values** of FWHCAs in and adjacent to watercourses (the “no harm or degradation” standard). For purposes of this Section the term “no harm or degradation” shall mean the following:
 - (i) Meeting the water quality standards required by Chapter 90.48 RCW (Water Pollution Control Act) and Chapter 173-201A WAC, including the provisions that apply if a natural or baseline condition already exceeds listed water quality standards; and
 - (ii) Meeting the requirements of any total maximum daily load (TMDL) requirements established by the Department of Ecology (ECY) pursuant to Chapter 90.48 RCW; and
 - (iii) Meeting all applicable requirements of Chapter 77.55 RCW (Hydraulics Code) and Chapter 220-110 WAC; and
 - (iv) Meeting the specific watercourse protection measures for ongoing agriculture specified in Subsection (4) of this Section; and
 - (v) No evidence of significant degradation to the existing fish habitat characteristics of the watercourse from those characteristics identified in the baseline inventory described in Resolution No. R20030210 that can be directly attributed to the agricultural activities that are described in this Section.
 - (b) The references to Chapters 77.55 and 90.48 RCW, and Chapters 173-201A and 220- 110 WAC contained in this Subsection shall not be interpreted to replace ECY and the Washington Department of Fish and Wildlife (WDFW) authority to implement and enforce these State programs with County responsibility to do so, but rather are intended to provide County input and a supplemental County involvement as needed to implement the County’s GMA obligations under this Section.
 - (c) Owners or operators regulated under this Subsection shall conduct their ongoing agricultural operations in a manner sufficient to meet the “no harm or degradation” standard of

Subsection (3)(a) of this Section, including, if necessary, developing and implementing BMPs to meet this standard. The owner or operator may choose to, but is not required to consult with the Skagit Conservation District (SCD), the Natural Resource Conservation Service (NRCS), an NRCS technical service provider, the Washington State University Extension Service or other qualified expert as defined in SCC 14.04.020 to determine what combination of BMPs are necessary to meet the “no harm or degradation” standard. BMPs must be designed for sitespecific conditions and shall include pollution prevention and control measures that effectively address the following management areas:

- (i) Livestock and dairy management;
- (ii) Nutrient and farm chemical management;
- (iii) Soil erosion and sediment control management;
- (iv) Agricultural drainage infrastructure management.

~~The County Planning and Permit Center~~ Development Services shall maintain a nonexclusive list of BMPs to guide implementation of the requirements of this Subsection.

- (d) An owner or operator is responsible only for those conditions caused by agricultural activities conducted by the owner or operator and is not responsible for conditions that do not meet the requirements of this Subsection resulting from the actions of others or from natural conditions not related to the agricultural operations. In those situations where the County is presented with data showing a violation of a State water quality standard at a particular location, but where the County cannot identify any condition or practice existing or occurring at a particular agricultural operation that is causing the violation, the County shall refer the information regarding the State water quality violation to ECY and shall follow other procedures described in SCC 14.44.085. Conditions resulting from unusual weather events (such as a storm in excess of 25-year, 24-hour storm), or other exceptional circumstances that are not the product of obvious neglect are not the responsibility of the owner or operator, but shall be subject to the requirements for emergency actions described in SCC 14.24.100070(1).
- (4) Required Watercourse Protection Measures for Ongoing Agriculture. Unless the emergency provisions of SCC 14.24.100070(1) apply, the following watercourse protection measures shall be required for ongoing agriculture within 200 feet of a watercourse or ongoing agriculture which adversely impacts existing functions and values of a watercourse, except for isolated artificial watercourses that have no channelized surface hydraulic connection or no piped hydraulic connection between the artificial watercourse and any natural or modified natural watercourse or any salt water. Drainage tile used to convey groundwater shall not be considered a piped hydraulic connection. Failure to comply with these

mandatory watercourse protection measures for ongoing agriculture shall result in enforcement as provided in SCC 14.44.085.

- (a) Livestock and Dairy Management. Livestock and dairy operations shall be conducted so as not to contribute any wastes or sediments into a natural or modified natural watercourse in violation of adopted State water quality standards. Livestock and dairy operations shall meet the following minimum watercourse protection measures:
 - (i) Livestock access to watercourses shall be managed consistent with this Subsection. Access to a watercourse for livestock watering and/or stream crossings shall be limited to only the amount of time necessary for watering and/or crossing a watercourse. Livestock watering facilities or access shall be constructed consistent with applicable NRCS conservation practice standards, and shall not be constructed to provide access to agricultural land that does not meet the definition of ongoing agriculture unless that agricultural land and the crossing can meet all requirements of Chapter 14.24 SCC.
 - (ii) Dairy operations shall comply with the requirements of Chapter 90.64 RCW (Dairy Nutrient Management Act).
 - (iii) Livestock pasture shall be managed so as to maintain vegetative cover sufficient to avoid contributing sediments to a watercourse in violation of State water quality standards.
 - (iv) Any existing or new livestock confinement or concentration of livestock areas that is located up gradient from a watercourse which results in bare ground (such as around a watering trough) shall be constructed and maintained to prevent sediment and/or nutrient runoff contaminants from reaching a watercourse in violation of State water quality standards.
- (b) Nutrient and Farm Chemical Management.
 - (i) The owner or operator shall not place manure in a watercourse or in a location where such wastes are likely to be carried into a watercourse by any means. Spreading of manure within 50 feet of any watercourse and/or spreading of liquid manure on bare ground from October 31st to March 1st is prohibited; unless otherwise permitted pursuant to:
 - (A) An approved and implemented dairy nutrient management plan (DNMP) as prescribed by Chapter 90.64 RCW; or
 - (B) Approved and implemented BMPs; or

- (C) In a year when the County determines that conditions support an extension of the deadline as described in Subsection (4)(b)(ii) of this Section.
 - (ii) Each year, prior to March 1st and prior to October 31st, the County shall determine whether this work window should be extended, delayed, or shortened, based on weather, soil and fish run characteristics in that particular year. The County will consult with agencies with expertise in making this determination. The County shall provide notification regarding changes to this work window through media, recorded messages, updates on its web site, and/or other means reasonably calculated to reach the intended recipients.
 - (iii) Agricultural operators shall apply crop nutrients at agronomic rates, which are recommended for that particular crop.
 - (iv) Farm chemicals shall be applied consistent with all requirements stated on the chemical container labels and all applicable Federal and State laws and regulations, such as Chapter 15.58 RCW (Pesticide Control Act), Chapter 17.21 RCW (Pesticide Application Act), and 7 United States Code (USC) 136 et seq. (Federal Insecticide, Fungicide, and Rodenticide Act).
- (c) Soil Erosion and Sediment Control Management.
 - (i) Roads used for ongoing agricultural activities shall be designed such that road surfaces, fill and associated structures are constructed and maintained to avoid contributing sediment to watercourses.
 - (ii) Agricultural equipment operation shall not cause watercourse bank sloughing or other failure due to operation too close to the top of the bank.
 - (iii) Watercourse construction and maintenance shall meet the requirements for drainage operation and maintenance described under Subsection (4)(d) of this Section.
 - (iv) All V-ditching shall be constructed to drain into a watercourse that does not contain salmonids, unless the topography of the field is such that the only alternative to drain the field by gravity is to drain the V-ditch into a watercourse that does contain salmonids. When draining a V-ditch into a watercourse that does contain salmonids, appropriate BMPs should be used to avoid contributing excess amounts of sediment to the watercourse. For the purpose of determining whether a watercourse contains salmonids, the County will use salmonid distribution based on the “limiting factors analysis” data compiled by the Washington State Conservation Commission.

- (d) Operation and Maintenance of Public and Private Agricultural Drainage Infrastructure. The following practices shall apply to any watercourse that is part of drainage infrastructure:
- (i) Regularly scheduled agricultural drainage infrastructure maintenance that includes dredging or removal of accumulated sediments in any watercourse shall be conducted between June 15th and October 31st, unless this work window is changed as described in Subsection (4)(d)(A) of this Section. If an approved hydraulics project permit provides for a different work window, those requirements shall control. If presence of fall or over-winter crops prevents regularly scheduled maintenance during this time period, then the maintenance may be conducted outside this work window; provided, that the person or entity proposing to conduct the maintenance outside the work window can demonstrate that the presence of crops prevents maintenance within the work window and provided the maintenance is conducted using best management practices to minimize sediment or other impacts to water quality.
- (A) The County shall evaluate this work window each year prior to June 15th and prior to October 31st, to determine whether a different window is justified by current year weather, soil and fish run conditions. The County will consult with agencies with expertise, the drainage districts and other interested parties prior to making this determination.
- (B) If the County determines that a different window is justified, the County shall provide notification of such change through media, recorded messages or updates on its web site, and/or by other means reasonably calculated to reach the intended recipients.
- (C) Owners or operators shall consult with districts conducting drainage maintenance to schedule their crop rotations for crops that may still be in the field after October 31st so that, to the maximum extent possible, such drainage maintenance can occur in a year when the fall crops are not being raised in the field adjacent to the drainage infrastructure scheduled for drainage maintenance.
- (ii) Unless there is no feasible alternative, regularly-scheduled maintenance that includes dredging or removal of accumulated sediments in any watercourse should be conducted at those times when there is no or

minimal water flow in the watercourse being maintained to minimize potential for distributing sediments to salmonid-bearing waters.

- (iii) Excavation spoils shall be placed so as not to cause bank failures and so that drainage from such spoils will not contribute sediment to the watercourse.
- (iv) Mowing or cutting of vegetation located within a watercourse that is part of drainage infrastructure may be conducted at any time; provided, that the cutting is above the ground surface within the channel and in a manner that does not disturb the soil or sediments; and provided, that the cut vegetation does not block water flow. Watercourse bank vegetation shall be preserved or allowed to reestablish as soon as practicable after drainage construction and maintenance are completed to stabilize earthen ditch banks.
- (v) Districts and subflood control zones subject to this Section, operating pursuant to authority in RCW Title 85 or 86 which are conducting drainage activities shall complete and submit a drainage maintenance checklist to the County by June 1st of each year. The checklist shall describe the intent of the district to comply with the drainage maintenance requirements of Subsection (4)(d) of this Section. The districts may seek assistance from NRCS, SCD and/or the County in completing the checklist or addressing the requirements of this Subsection. The checklist shall be available from ~~the~~ Skagit County Planning and ~~Permit Center~~Development Services, mailed to any entity conducting drainage activities, and shall be submitted to ~~the~~ Planning and ~~Permit Center~~Development Services when completed. The districts may submit modifications to the information in the checklist, if circumstances affecting district maintenance change after the initial submittal.
 - (A) The County shall send a written notice to any district or subflood control zone not submitting this completed checklist by June 1st of each year, stating that the County has not received the required checklist and that the district or subflood control zone is not authorized to conduct drainage maintenance activity until the district or subflood control zone has submitted the completed checklist evidencing intent to comply with this Subsection.
 - (B) Subsequent commencement of drainage maintenance work without submitting a completed checklist shall be subject to enforcement pursuant to Chapter 14.44 SCC.

- (vi) Immediate measures necessary to drain fields inundated by an unanticipated flooding event or failure of the agricultural drainage infrastructure shall be subject to the requirements for emergency repair described in SCC 14.24.100070(1).
- (5) Recognition for Agricultural Owners and Operators Who Have Implemented Extra Watercourse Protection Measures. This Subsection intends to recognize the extra watercourse protection measures for ongoing agriculture taken by landowners or operators who have implemented an approved dairy nutrient management plan (DNMP) or resource management system plan (RMS plan) (including, but not limited to, CREP) from SCD or NRCS.
- (a) Those portions of land upon which owners or operators have sought and implemented an approved DNMP or an RMS plan consistent with the conservation practices and management standards that meet the FOTG quality criteria for each natural resource (soil, water, animals, plants and air) shall be entitled to a presumption of compliance with the “no harm or degradation” standards described in Subsection (3) of this Section. The RMS plan or DNMP must include within the planning unit any watercourses located on the property, as well as all upland areas within the owner’s control that could potentially adversely impact the watercourse and/or associated fish habitat.
- (b) Such presumption of compliance may be rebutted and enforcement commenced as described in SCC 14.44.085 if the County obtains credible evidence that the agricultural operation is not meeting the no harm or degradation standards of Subsection (3) of this Section. To be entitled to this presumption, the owner or operator shall provide the County with documented evidence of implementation of those elements of the approved plan that are relevant to the resource impact at issue at the time a Request for Investigation (RFI) is presented to the County under SCC 14.44.010.
- (6) Enforcement. Enforcement of the requirements of this Subsection shall be as described in SCC 14.44.085. (Ord. O20040011; Ord. O20030020 (part); Ord. O20020007 (part); Ord. R20020135; Ord. 18069 Appx. A (part), 2000)

14.24.130 Hazard Tree Removal.

Removal of hazardous, diseased or dead trees within one tree-length of an existing structure that are located in a critical area or associated buffer, may be approved provided that:

- (1) The removal is consistent with the State Forest Practices Act, RCW 76.09; and
- (2) Standard review pursuant to SCC 14.24.080 is completed; and

(3) The following criteria are demonstrated:

- (a) Where trimming is not sufficient to address the hazard, trees should be removed or converted to wildlife snags; and
- (b) If a tree to be removed provides critical habitat, such as an eagle perch, a qualified wildlife biologist shall be consulted to determine timing and methods or removal that will minimize impacts.

(4) Conditions of approval may include one or more of the following:

- (a) All vegetation cut (tree stems, branches, etc.) shall be left within the critical area or buffer unless removal is warranted due to the potential for disease or pest transmittal to other healthy vegetation or the vegetation is located within 30 feet of a structure and considered a potential fire hazard; and
- (b) Coniferous trees shall be replaced by coniferous trees native to Washington and deciduous trees shall be replaced by deciduous trees native to Washington; and
- (c) Replacement coniferous trees shall be at least eight (8) feet in height. Replacement deciduous trees shall be at least one and one-half (1.5) inches in diameter at breast height (DBH); and
- (d) Trees shall be replaced subject to the following replacement ratios:
 - (i) Removed trees with a DBH greater than nine (9) inches up to twelve (12) inches shall be replaced by four (4) trees; and
 - (ii) Removed trees with a DBH greater than twelve (12) inches up to sixteen (16) inches shall be replaced by six (6) trees; and
 - (iii) Removed trees with a DBH of sixteen (16) inches or more shall be replaced by eight (8) trees; and

- ~~(e) Hazard trees determined to pose an imminent threat or danger to public health or safety, to public or private property, or of serious environmental degradation may be removed or pruned by the landowner prior to receiving written approval from the Administrative Official provided that within fourteen (14) days following such action, the landowner shall submit a restoration plan that demonstrates compliance with the provisions of this Chapter.~~
- ~~(5) The Administrative Official may modify these requirements on a case-by-case basis.~~

14.24.130 Incentives.

- ~~(1) The following incentives are intended to minimize the burden to individual property owners from application of the provisions of this Chapter and assist the County in achieving the goals of this Chapter:~~
- ~~(a) Open Space. Any property owner on whose property a critical area or its associated buffer is located and who proposes to put the critical area and buffer in a separate open space tract may apply for current use property tax assessment on that separate tract pursuant to RCW 84.34. The County shall develop current use tax assessment programs for agricultural and small forest lands less than 20 acres and other open spaces.~~
- ~~(b) Conservation Easement. Any person who owns an identified critical area or its associated buffer may place a conservation easement over that portion of the property by naming the County or its qualified designee under RCW 64.04.130 as beneficiary of the conservation easement. This conservation easement can be used in lieu of the creation of a separate critical areas tract to qualify for open space tax assessment described in Subsection (a) above. The purpose of the easement shall be to preserve, protect, maintain, restore and limit future use of the property affected. The terms of the conservation easement may include prohibitions or restrictions on access and shall be approved by the property owner and the County.~~
- ~~(c) Density Credit. On lands containing critical areas or their associated buffers, the county shall allow a transfer of density for residential uses from the portion of the property containing the critical areas or buffers to that portion of the property that does not contain critical areas or buffers, provided that:~~
- ~~(i) The resulting density on the portion of the property does not contain critical areas or their buffers; and~~
- ~~(ii) Does not create any adverse impacts to the critical area that cannot be adequately mitigated; and~~
- ~~(iii) Provided that all other development regulations can be met on site.~~

- ~~(d) Conservation Futures Fund. The County has established a Conservation Futures Property Tax fund as authorized by RCW 84.34.230. Properties containing critical areas or their associated buffers may be considered for acquisition under a purchase of development rights with these funds. Acquisitions shall be done through the Farmland Legacy Program as recommended by the Conservation Futures Advisory Committee, under the provisions of Ordinance No. 16380 and Resolution No. 16766.~~
- ~~(2) For any tract placed into or encumbered with a PCA, the County shall use its best efforts to assist the property owner in obtaining open space tax status on that portion of the property and/or in dedicating that property to a nonprofit land trust organization to eliminate or minimize property tax burdens.~~
- ~~(3) The County shall seek to educate the public regarding critical areas, the beneficial functions of critical areas and the requirements of this Chapter in an effort to encourage citizen understanding, compliance and stewardship.~~
- ~~(4) The County shall, where practical, provide incentives to landowners to restore critical areas or their buffers that have been adversely affected by previous land use activities. (Ord. 17938 Atch. F (part), 2000)~~

14.24.140 Variances.

- (1) If the strict application application of this Chapter is found to deprive the subject property of rights and privileges enjoyed by other properties in the vicinity, due to special circumstances applicable to the subject property, including size, shape, and topography, A a critical areas variance may be authorized as provided in Chapter SCC 14.10-SCC, Variances, as a Hearing Examiner variance.; provided however, that those surrounding properties have been developed under regulations in effect prior to the effective date of this Chapter shall not be the sole basis for the granting of the variance.
- (a) Standard buffer widths may be reduced by more than 25% but not more than 50% through an Administrative Variance. The Administrative Variance shall be processed as a Level I application pursuant to SCC 14.06.110
- (b) The allowable reduction amounts as listed in SCC 14.24.240(3)(b) and 14.24.540(3) may be increased to a total allowable reduction amount of 25% for one mitigation element through an Administrative Variance. The Administrative Variance shall be processed as a Level 1 application pursuant to SCC 14.06.110.
- (c) Standard buffer widths may be reduced by more than 50% through a Hearing Examiner Variance. The Hearing Examiner Variance shall be processed as a Level II application pursuant to SCC 14.06.120.

- (2) ~~The Hearing Examiner Approving Authority shall ensure the opportunity for public comment, including that from appropriate Federal, State, and Tribal natural resource agencies, the Washington Departments of Ecology, Fish and Wildlife and Natural Resources, and affected Indian tribes, to ensure the use of best available science before deciding on variance requests and shall develop and maintain a public record on each variance request which includes all findings, assessments and public comments. Such record shall be made available to the public before the variance decision is made.~~
- (3) ~~Variances to the dimensional setbacks and buffer requirements of this Chapter may only be issued by the Hearing Examiner Approving Authority following review of the requirements listed in (a) - (h) below. The Approving Authority shall make a finding for each of the requirements, following the preparation of a site assessment by a qualified professional where the conclusion of the site assessment supports a modification of the dimensional requirements. Such a conclusion must also include all necessary mitigation. The Hearing Examiner must make a finding that the issuance of a zoning variance by itself will not provide sufficient relief to avoid the need for a variance to the dimensional setback and other requirements for critical areas regulated by this Chapter, and that a prepared site assessment and mitigation plan demonstrates that the proposed project allows for development of the subject parcel with the least impact on critical areas while providing reasonable use of the property, and full mitigation of project impacts.~~
- ~~(a) The issuance of a zoning variance by itself will not provide sufficient relief to avoid the need for a variance to the dimensional setback and other requirements for the critical areas regulated by this Chapter.~~
- ~~(b) Preparation of a site assessment and mitigation plan by a qualified professional pursuant to the requirements of SCC 14.24.080 and all other applicable sections of this Chapter. The site assessment and mitigation plan shall be prepared utilizing best available science.~~
- ~~(c) The conclusions of the site assessment must utilize best available science to support a modification of the dimensional requirements of this Chapter.~~
- ~~(d) The site assessment and mitigation plan demonstrate that the proposed project allows for development of the subject parcel with the least impact on critical areas while providing a reasonable use of the property.~~
- ~~(e) The reasons set forth in the application justify the granting of the variance, and the variance is the minimum variance that will make possible the reasonable use of the land, building or structure.~~

- (f) The granting of the variance will be consistent with the general purpose and intent of this Chapter, and will not create significant adverse impacts to the associated critical areas or otherwise be detrimental to the public welfare; and
- (g) The inability of the applicant to meet the dimensional standards is not the result of actions by the current or previous owner in subdividing the property or adjusting a boundary line after the effective date of this Chapter; and
- (h) The granting of the variance is justified to cure a special circumstance and not simply for the economic convenience of the applicant.
- (4) ~~If the Hearing Examiner decides to grant the variance, the Hearing Examiner shall make a further finding that the reasons set forth in the application justify the granting of the variance, and that the variance is the minimum variance that will make possible the reasonable use of land, building or structure and allows the minimum impact to critical areas necessary to allow such reasonable use.~~
- (5) ~~If the Hearing Examiner decides to grant the variance, the Hearing Examiner shall make a further finding that the granting of the variance will be consistent with the general purpose and intent of this Chapter, and will not create significant adverse impacts to the associated critical areas or otherwise be detrimental to the public welfare.~~
- (6) ~~In granting any variance, the Hearing Examiner-Approving Authority shall prescribe such conditions and safeguards as are necessary to secure adequate protection of critical areas from adverse impacts and to ensure that impacts to critical areas or their buffers are fully mitigated to the extent feasible utilizing best available science. The Hearing Examiner-Approving Authority shall consider and incorporate as appropriate recommendations from Federal, State or and Tribal resource agencies.~~
- (7) ~~The Hearing Examiner-Approving Authority shall maintain a record of all decisions made on requests for variances. Such record shall include the basis and rationale for any such decision as well as any comments provided by Federal, State or Tribal natural resource agencies or members of a Technical Team. Such record shall be made available to the public upon request.~~
- (6) A variance shall expire if the use or activity for which it is granted is not commenced within three years of final approval by the Approving Authority. Knowledge of the expiration date is the responsibility of the applicant.
- (8) ~~Appeals of a Hearing Examiner the Approving Authority decisions on V-variance requests shall be made pursuant to the provisions of SCC 14.06. (Ord. 17938 Attch. F (part), 2000)~~

14.24.150 Reasonable Use Exception.

- (1) If the application off this Chapter would result in denial of reasonable and economically viable use of a property, and if such reasonable and economically viable use of the property cannot be obtained by consideration of a variance pursuant to SCC 14.24.140, then a landowner may seek a reasonable use exception from the standards of this Chapter. Reasonable use exceptions shall only apply to legal lots of record established prior to ~~the effective date of this Chapter~~ June 13, 1996. Reasonable use exceptions are intended as a “last resort” when no plan for mitigation and/or variance can meet the requirements of this Chapter and allow the Applicant a reasonable and economically viable use of his or her property. The reasonable use exception shall follow the variance and public notification procedures of SCC 14.10 and SCC 14.06, ~~and shall only be granted under the following conditions:~~
- (2) The Hearing Examiner shall only grant a reasonable use exception under all of the following conditions:
- (a) The application of this Chapter would deny all reasonable and economically viable use of the property so that there is no reasonable and economically viable use with a lesser impact on the critical area than that proposed; and so that there is no reasonable and economically viable use with a lesser impact on the critical area than that proposed; and
- (b) The proposed development does not pose a threat to the public health and safety; and
- (~~c~~) Any proposed modification to a critical area will be evaluated by the Hearing Examiner through consideration of a Site Assessment and mitigation plan prepared by ~~a the Applicant's~~ a qualified ~~professional consultant~~ pursuant to the requirements of this Chapter, and will be the minimum necessary to allow reasonable and economically viable use of the property; The site assessment and mitigation plan shall be prepared utilizing best available science; and
- (~~d~~) The inability of the applicant to derive reasonable use of the property is not the result of actions by the current or previous owner in subdividing the property or adjusting a boundary line thereby creating the undevelopable condition after the effective date of this Chapter; and
- (~~e~~) The Applicant has requested and been denied a Variance under the provisions of 14.24.140; and
- (~~e~~3) The Hearing Examiner may issue, ~~as part of the findings in any decision made under this Subsection,~~ conditions of approval, including modifications to the size and placement of structures and facilities to minimize impacts to critical areas and associated buffers. ~~As part of the findings, ¶~~The Hearing Examiner may also specify mitigation

requirements that ensure that all impacts are mitigated to the maximum extent feasible utilizing best available science; and

- (~~f~~4) The Hearing Examiner shall provide opportunity for public comment before a decision on a request for a reasonable use exception is made, including comments from appropriate Federal, State and Tribal natural resource agencies. The Hearing Examiner shall maintain a record of all information, including public comments, which were used in making a decision on a request for a reasonable use exception. This record shall be made available to the public upon request.
- (5) A reasonable use shall expire if the use or activity for which it is granted is not commenced within three years of final approval by the Approving Authority. Knowledge of the expiration date is the responsibility of the applicant.
- (~~2~~6) Decisions issued by the Hearing Examiner on requests for reasonable use exceptions may be appealed pursuant to the provisions of SCC 14.06. (Ord. 17938 Attch. F (part), 2000)

~~14.24.070-160~~ Public Notice and Records.

- (1) Public notice for projects subject to the provisions of this Chapter shall be provided pursuant to SCC 14.06 (Permit Procedures) and SCC 14.24.350 (Flow-Sensitive Basins).
- (2) Records of all critical area assessments and related land use approvals and conditioning shall be maintained by the County and be made available to the public upon request. (Ord. 17938 Attch. F (part), 2000)

~~14.24.180~~170 Incentives.

- (1) The following incentives are intended to minimize the burden to individual property owners from application of the provisions of this Chapter and assist the County in achieving the goals of this Chapter:
- (a) Open Space. Any property owner on whose property a critical area or its associated buffer is located and who proposes to put the critical area and buffer in a separate open space tract may apply for current use property tax assessment on that separate tract pursuant to RCW 84.34. The County shall develop current use tax assessment programs for agricultural and small forest lands less than 20 acres and other open spaces.
- (b) Conservation Easement. Any person who owns an identified critical area or its associated buffer may place a conservation easement over that portion of the property by naming the County or its qualified designee under RCW 64.04.130 as beneficiary of the conservation easement. This conservation easement can be used in lieu of the creation of a separate critical areas tract to qualify for open space tax assessment described in Subsection (a) above. The purpose of the easement shall be to preserve, protect, maintain, restore and limit future use of the property

affected. The terms of the conservation easement may include prohibitions or restrictions on access and shall be approved by the property owner and the County.

- (c) Density Credit. On lands containing critical areas or their associated buffers, the county shall allow a transfer of density for residential uses from the portion of the property containing the critical areas or buffers to that portion of the property that does not contain critical areas or buffers, provided that:
 - (i) The resulting density on the portion of the property does not contain critical areas or their buffers; and
 - (ii) Does not create any adverse impacts to the critical area that cannot be adequately mitigated; and
 - (iii) Provided that all other development regulations can be met on site.
 - (d) Conservation Futures Fund. The County has established a Conservation Futures Property Tax fund as authorized by RCW 84.34.230. Properties containing critical areas or their associated buffers may be considered for acquisition under a purchase of development rights with these funds. Acquisitions shall be done through the Farmland Legacy Program as recommended by the Conservation Futures Advisory Committee, under the provisions of Ordinance No. 16380 and Resolution No. 16766.
- (2) For any tract placed into or encumbered with a PCA, the County shall use its best efforts to assist the property owner in obtaining open-space tax status on that portion of the property and/or in dedicating that property to a nonprofit land trust organization to eliminate or minimize property tax burdens.
 - (3) The County shall seek to educate the public regarding critical areas, the beneficial functions of critical areas and the requirements of this Chapter in an effort to encourage citizen understanding, compliance and stewardship.
 - (4) The County shall, where practical, provide incentives to landowners to restore critical areas or their buffers that have been adversely affected by previous land use activities. (Ord. 17938 Attch. F (part), 2000)

~~14.24.160 Critical area and buffer mitigation requirements—General provisions.~~

~~(1) Buffers.~~

- ~~(a) As described in more detail in each relevant section, buffers have in some cases been determined necessary and appropriate to protect critical areas and their functions or to prevent risk from a critical area hazard. In those sections of this Chapter where specific buffers are identified, those buffers are deemed “required” or “standard” buffers. If a project or activity does not~~

~~propose any alteration of those buffers or of the associated critical area and the Administrative Official determines that these buffers are adequate to protect the critical area or to prevent risk of a hazard from the critical area, then subject to the provisions of SCC 14.24.170, no additional mitigation will be required. Once the critical area and its buffer have properly been delineated through a critical areas assessment and any County conditions of approval have been established, no further critical areas mitigation assessment is required, except as necessary to ensure that long term protection of critical areas and buffers is met in practice through compliance with SCC 14.24.170(1). The Applicant shall ensure the protection of critical area by either:~~

- ~~(i) — Performing a site assessment on the entire parcel; or~~
 - ~~(ii) — Limit the site assessment to 200 feet surrounding a proposed project or activity and place all of the land not delineated into a Protected Critical Area (PCA) or Open Space Protected Area (OS-PA).~~
- ~~(b) — If, however, based on unique features of the particular critical area or its buffer or of the proposed development, the Administrative Official determines that additional buffers and/or mitigation measures beyond these buffers are necessary to adequately protect the function of the critical area or to prevent risk of a hazard from the critical area, the Administrative Official may impose such additional mitigation requirements, provided the Administrative Official can demonstrate, based on best available science, why that additional mitigation or buffering is required to adequately protect the critical area function or to prevent hazard from a critical area.~~
- ~~(c) — Further, if the Applicant proposes to reduce these buffers or to alter the critical area or its required buffer, then the Applicant shall demonstrate pursuant to SCC 14.24.140, based on best available science, why such buffer and/or critical area modification, together with such alternative mitigation proposed in the critical areas assessment, is sufficient to provide equal or better protection of the critical area function or provide no increased risk of a hazard from the critical area.~~
- ~~(d) — The critical areas assessment and the conditions of approval shall make adequate provision for long term protection related to critical areas and buffers, and shall include the requirements established in SCC 14.24.170. However, critical areas and/or buffers identified as Protected Critical Areas (PCAs) as defined in this Chapter do not require any provisions for public access, and appropriate restrictions may be included in the easement or title documents. Critical areas and/or buffers identified as PCAs are however subject to periodic inspection by the Administrative Official, upon prior notification to the landowner, to ensure long-term protection.~~

- (e) ~~Protected Critical Areas.~~
- (i) ~~For proposed land divisions, critical areas and their associated buffers identified through the site assessment and County review process shall be designated as PCAs and placed in separate tracts or easements and protected through protective covenants implemented through a binding agreement between the landowner and the County. (See Protected Critical Area Requirements, SCC 14.24.170.)~~
 - (ii) ~~For development projects or land use activities not involving a new land division, the critical area and its associated buffer identified through the site assessment process shall instead be identified as a PCA by either easement, open space designation or permit conditions, all including restrictive covenants and recorded with the Auditor on a site plan to insure long term protection. Critical areas and/or buffers identified as PCAs are subject to periodic inspection, upon prior notification to the landowner, to ensure long term protection.~~
- (f) ~~Open Space Protected Area. If a portion of a parcel contains a proposed development project that triggers a development permit, and has not had its critical areas and associated buffers delineated because it was outside the project or area affected by the project, then further critical areas assessment may be required in the future prior to any change of use, or new development permit for that portion of the site. See SCC 14.24.080.~~
- (2) ~~Mitigation. All proposed alterations to critical areas or associated buffers shall require mitigation sufficient to provide for and maintain the functional values of the critical area or to prevent risk from a critical area hazard and shall give adequate consideration to the reasonable economically viable use of the property. Mitigation of one critical area impact should not result in unmitigated impacts to another critical area. Mitigation may include, but is not limited to: buffers, setbacks, limits on clearing and grading, best management practices for erosion control and maintenance of water quality, or other conditions appropriate to avoid or mitigate identified adverse impacts. Subject to the reasonable use exception provisions of SCC 14.24.150, any proposed critical area alteration that cannot adequately mitigate its impacts to a critical area shall be denied.~~
- (3) ~~Preferred Mitigation Sequence. Mitigation includes avoiding, minimizing or compensating for adverse impacts to regulated critical areas or their buffers. The preferred sequence of mitigation is defined below:~~
- (a) ~~Avoid the impact altogether by not taking a certain action or parts of an action;~~

- (b) ~~Minimize the impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology, or by taking affirmative steps to avoid or reduce impacts;~~
 - (c) ~~Rectify the impact by repairing, rehabilitating or restoring the affected environment to the conditions existing at the time of the initiation of the project or activity;~~
 - (d) ~~Reduce or eliminate the impact over time by preservation and maintenance operations during the life of the action;~~
 - (e) ~~Compensate for the impact by replacing, enhancing, or providing substitute resources or environments.~~
- (4) ~~All proposed mitigation shall be included in the critical areas assessment. The critical areas mitigation shall include the following:~~
- (a) ~~Description of proposed mitigations (critical areas lost/critical areas gained);~~
 - (b) ~~Analysis of avoidance, minimization, reduction, and compensation;~~
 - (c) ~~Functional analysis of mitigation/analysis of prevention of risk hazard;~~
 - (d) ~~Proposed Applicant or landowner monitoring or inspection measures and schedule, including specification of method and frequency of submittal of reports on results to County; and~~
 - (e) ~~Contingency plan.~~
- (5) ~~The Administrative Official shall make the final determination regarding required mitigation. Required mitigation shall be included in an approved mitigation plan.~~
- (6) ~~Financial Assurance. The Administrative Official or his/her designee shall require the complete mitigation proposed in the site assessment to be completed prior to final approval of the development permit. For all projects with an estimated mitigation cost of \$4,000 or over, the Administrative Official shall require financial assurance which will assure compliance with the mitigation plan if the complete mitigation proposed in the site assessment cannot be completed prior to final approval of the development permit. Financial assurance shall be in the form of either a surety bond, performance bond, assignment of savings account or an irrevocable letter of credit guaranteed by an acceptable financial institution with terms and conditions acceptable to the County Prosecuting Attorney, shall be in the amount of 125% of the estimated cost of the uncompleted actions or construction, and shall be assigned in favor of the Skagit County Planning and Permit Center. The term of the~~

financial assurance shall remain in place until the required mitigation is complete.

- (7) ~~County Monitoring of Critical Areas Mitigation. Annually, the Administrative Official shall make a significant sampling of projects and activities for which critical area site assessments were required, including mitigation plans, potentially impacting fish-bearing streams and/or Category I, II or III wetlands. The sample shall be taken from permits or approvals issued more than 10 months prior to the sampling date. The selected sites shall be inspected for critical area and buffer size and condition and for compliance with any required mitigation or other conditions of approval. Results of such sampling shall be included in the permanent record for the project or activity, shall be reported to the Board of County Commissioners on an annual basis, and shall also be utilized for enforcement purposes. (Ord. 17938 Attech. F (part), 2000)~~

14.24.170 Protected critical area (PCA) requirements.

- (1) ~~PCA Identification and Recording.~~

- (a) ~~PCA Identification. Approval of development projects which trigger a development permit and other land use activities that can cause adverse impacts to critical areas and/or their buffers shall require the identification and designation of PCAs by the Administrative Official. However, if the applicant chooses, the site assessment may be limited to 200 feet surrounding a proposed development only if there are either no other activities occurring or proposed on the remainder of the parcel which are in conflict with this Chapter. Once an activity is proposed the applicant must re-enter the process identified in 14.24.160 and 14.24.170. The portions of the parcel which have not received a site assessment shall be placed into an Open Space Protected Area (OS PA) which includes a recorded notification that the area must have a site assessment completed 200 feet around any proposed activity before that activity may occur. The same requirements for a PCA under Section 14.24.170(1) shall apply to an OS PA. If the development project is a CaRD application and is within a natural resource land, the remainder parcel shall be put into OS-NRL and shall have all of the constraints that are set forth in this Chapter. PCAs shall include all critical areas and associated buffers on the proposed project or activity site which have been identified through the site assessment process.~~
- (b) ~~PCA Recording. All PCAs shall be recorded with the County Auditor in accordance with the procedures established under this Section. The Applicant shall be responsible for all fees and other costs associated with recording of PCAs.~~
- (c) ~~Binding Agreements. For each project or activity that requires recording of PCAs, the following information shall be recorded with the Auditor as part of a binding agreement between the~~

landowner and the County which shall run with the land and be readily available to the public upon request:

- (i) ~~Binding agreement signed by the landowner and the Administrative Official or designee which stipulates any special conditions of approval, protective covenants, binding conditions, or other requirements such as use restrictions, required mitigation, and/or landowner maintenance or monitoring requirements established at the time of approval;~~
 - (ii) ~~Required final plat map or site plan clearly showing the locations of PCAs, existing vegetation and permanent buffer edge markers;~~
 - (iii) ~~Additional information necessary to document the critical areas inventory at the time of approval, including descriptions of identified critical areas, their locations, functions and values, and existing critical areas or buffer vegetation;~~
 - (iv) ~~Identification of any County responsibilities beyond those required by this Chapter;~~
 - (v) ~~Reference to the County file containing the complete record of information pertaining to approval of the project or activity.~~
- (d) ~~Permanent Buffer Edge Markers. Except as provided under Subsection (i) below, the outer edges of all PCAs, with the exception of aquifer recharge areas, shall be clearly marked onsite by the Applicant or landowner with permanent rebar stakes and critical area markers. Critical area markers may be either approved critical area signs or inexpensive steel posts painted a standard color approved by the Administrative Official that is clearly identifiable as a critical area marker. Installation of permanent markers shall be the responsibility of the landowner.~~
- (i) ~~The Administrative Official may waive or modify the requirement for permanent buffer edge markers provided that any such decision shall be based on a site specific determination that future verification of PCA locations will not be substantially more difficult without the placement of permanent markers and that such waiver or modification will not result in reduced long term protection of critical areas. Prior to approving any such waiver or modification, the Administrative Official shall provide the opportunity for review and comment by members of a Technical Team in which participation has been solicited from appropriate Federal, State and Tribal natural resource agencies. The comments of individual team members shall be included in the permanent record and made available to the public upon request.~~
 - (ii) ~~Where such permanent markers are required, the Administrative Official shall specify their frequency of~~

~~placement and general location. Permanent markers shall be placed to locate the edge of the PCA to an approximate accuracy of within 5% of the specified buffer width or within 5 feet, whichever is larger. The spacing intervals of the markers shall be such as to provide comparable accuracy of line of sight determination of buffer edges. The locations of all required stakes/markers shall be shown on the plat map or site map recorded with the Auditor.~~

~~(2) — Protected Critical Area (PCA) Designations for New Land Divisions.~~

- ~~(a) — For land divisions and PUDs where site assessments have occurred pursuant to SCC 14.24.170(1)(a), all PCAs shall be placed into separate tracts or easements, whose uses shall be regulated by the provisions of this Chapter and any conditions of approval, including protective covenants and binding agreements as provided for under Subsection (1) above. Area within a PCA can be included in total acreage for development purposes and may be used in lot area or density calculations. PCAs may be owned and maintained by the owner of the lot of which they are a part or transferred to the County, homeowners association or land trust. See SCC 14.24.180 regarding incentives that may be available for lands designated as PCAs.~~
- ~~(b) — Recording. PCA designations shall be recorded with the Auditor as part of the plat approval process. The Auditor file number referencing the agreement shall be on the face of the plat and its provisions shall run with the land.~~
- ~~(c) — PCA Descriptions. The location of PCAs shall be clearly identified on site plans and on preliminary and final plat maps. PCAs shall be labeled using the letters A through Z, or another labeling system approved by the Administrative Official. Where more than 1 lot is involved, each lot shall carry independent labeling as described in subsection (4)(a) below.~~
- ~~(d) — Ingress, Egress and Use. Owners of PCAs shall grant ingress and egress by the Administrative Official or his or her agent for monitoring and evaluation of compliance with established conditions of approval, binding conditions or any required mitigation. As part of an approved land division, the use limitations required of a designated and regulated critical area according to the provisions of this Chapter, including the conclusions of the critical areas site assessment report and any conditions of approval, protective covenants and other binding conditions, shall be clearly stated on the face of the recorded plat.~~

~~(3) — PCAs on Pre Existing Lots.~~

- (a) ~~For development proposals and other land use activities that can adversely impact critical areas on pre-existing lots, not part of a proposed land division, PUD or other form of multiple lot development, PCAs shall be identified on a scaled site plan showing the location of the PCA, structures (existing and proposed) and their distances from the PCA and lot lines to show relative location within the subject parcel(s). The project or activity shall be conditioned for critical area protection and the resulting information recorded with the Auditor as defined under Subsection (1) above. The site plan may be prepared by the Applicant and all distances and locations of structures may be measured from the established PCA boundary to within plus or minus 5 feet.~~
- (b) ~~Ingress and egress. Owners of PCAs shall grant ingress and egress by the Administrative Official or designee for monitoring and evaluation of compliance with established conditions of approval, binding conditions or any required mitigation.~~
- (4) ~~PCA Mapping, Labeling, and Area Calculations.~~
- (a) ~~All PCAs or OS PAs shall be mapped. The area shall be delineated on the final plat map or on a site plan to an accuracy of plus or minus 5 feet horizontal and monumented in the field by a qualified expert pursuant to SCC 14.24.170(1)(d). If a survey was not used to map the critical area, a note on the final plat map shall be recorded stating that a legal survey was not performed to delineate the critical area and that the surveyor is not incurring liability for the exact boundaries of the critical area on the plat map.~~
- (b) ~~During construction phases of development, clear temporary marking using flagging and staking shall be maintained along the outer limits of the delineated PCA or the limits of the proposed site disturbance outside of the PCA. Prior to the start of construction activity, and as necessary during construction, temporary markings shall be inspected and approved by the Administrative Official or designee. The person responsible for inspecting the temporary flagging shall provide written confirmation to be included in the record as to whether or not the flagging has been installed consistent with the permit requirements prior to commencement of the permitted activity.~~
- (c) ~~All PCAs shall include the necessary labeling to show calculated area (in square feet or acreage), and type and/or class of critical area within each lot. This information shall be noted on the face of the approved plat or site plan.~~
- (d) ~~Signs or Fencing Required as Part of Critical Area Mitigation. The Administrative Official shall require permanent signs or fencing where the Administrative Official determines that it is a~~

necessary component of a mitigation plan. Examples include situations where variances to the dimensional requirement of this Chapter have been granted and the development will occur within a PCA; or where the sensitivity of the PCA will be impacted unless access to the PCA is limited (such as changes of use to farming where livestock is involved). The intent is to provide clear and sufficient notice, identification and protection of critical areas on site where damage to a critical area or buffer by humans or livestock is probable due to the proximity of the adjacent activity.

- (e) ~~Sign, Marker and Fence Maintenance. It is the responsibility of the landowner, or any subsequent landowner, to maintain the required PCA markers, signs or fences in working order throughout the duration of the development project or land use activity. Maintenance includes any necessary replacement. Removal of required signs, markers or fences without prior written approval of the Administrative Official shall be considered a violation of this Chapter. (Ord. 17938 Attech. F (part), 2000)~~

14.24.180 Incentives.

- (1) ~~The following incentives are intended to minimize the burden to individual property owners from application of the provisions of this Chapter and assist the County in achieving the goals of this Chapter:~~
- (a) ~~Open Space. Any property owner on whose property a critical area or its associated buffer is located and who proposes to put the critical area and buffer in a separate open space tract may apply for current use property tax assessment on that separate tract pursuant to RCW 84.34. The County shall develop current use tax assessment programs for agricultural and small forest lands less than 20 acres and other open spaces.~~
- (b) ~~Conservation Easement. Any person who owns an identified critical area or its associated buffer may place a conservation easement over that portion of the property by naming the County or its qualified designee under RCW 64.04.130 as beneficiary of the conservation easement. This conservation easement can be used in lieu of the creation of a separate critical areas tract to qualify for open space tax assessment described in Subsection (1) above. The purpose of the easement shall be to preserve, protect, maintain, restore and limit future use of the property affected. The terms of the conservation easement may include prohibitions or restrictions on access and shall be approved by the property owner and the County.~~
- (c) ~~Density Credit. On lands containing critical areas or their associated buffers, the county shall allow a transfer of density for residential uses from the portion of the property containing the critical areas or buffers to that portion of the property that does~~

~~not contain critical areas or buffers, provided that the resulting density on the portion of the property that does not contain critical areas or their buffers:~~

- ~~(i) Does not create any adverse impacts to the critical area that cannot be adequately mitigated; and~~
 - ~~(ii) Provided that all other development regulations can be met on site.~~
- ~~(d) Conservation Futures Fund. The County has established a Conservation Futures Property Tax fund as authorized by RCW 84.34.230. Properties containing critical areas or their associated buffers may be considered for acquisition under a purchase of development rights with these funds. Acquisitions shall be done through the Farmland Legacy Program as recommended by the Conservation Futures Advisory Committee, under the provisions of Ordinance No. 16380 and Resolution No. 16766.~~
- (2) For any tract placed into or encumbered with a PCA, the County shall use its best efforts to assist the property owner in obtaining open space tax status on that portion of the property and/or in dedicating that property to a nonprofit land trust organization to eliminate or minimize property tax burdens.
- (3) The County shall seek to educate the public regarding critical areas, the beneficial functions of critical areas and the requirements of this Chapter in an effort to encourage citizen understanding, compliance and stewardship.
- (4) The County shall, where practical, provide incentives to landowners to restore critical areas or their buffers that have been adversely affected by previous land use activities. (Ord. 17938 Atch. F (part), 2000)

14.24.200 Wetlands Designations.

- (1) Wetlands as defined in RCW 36.70A.030(21), are areas that are inundated or saturated by surface water or ground water 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.
- (2) Designation. Wetlands shall be identified and designated through a site visit and/or a site assessment utilizing the definitions, methods and

standards set forth in the Washington State Wetland Identification and Delineation Manual, Department of Ecology publication No. 96-94. (Ord. 17938 Attech. F (part), 2000)

14.24.210 Wetlands Classification.

Wetlands shall be rated according to the *Washington State Wetland Rating System for Western Washington* (Department of Ecology 2004, or as revised). This document contains the definitions, methods and a rating form for determining the categorization of wetlands below:

- (1) Category I wetlands are those wetlands of exceptional value in terms of protecting water quality, storing flood and storm water, and/or providing habitat for wildlife.
- (2) Category II wetlands do not meet the criteria for Category I rating but occur infrequently and have qualities that are difficult to replace if altered.
- (3) Category III wetlands have important resource value.
- (4) Category IV wetlands are of limited resource value. They typically have vegetation of similar age and class, lack special habitat features, and/or are isolated or disconnected from other aquatic systems or high quality upland habitats.

14.24.210 initial project review.

- ~~(1) A site visit shall be conducted to confirm the presence of wetland indicators listed in the critical areas checklist or identified on critical areas map references as being within 200 feet of a proposed project or activity. A positive confirmation by the Administrative Official that site indicators are present or that the proposed project may impact the wetland area will then require a professional site assessment.~~
- ~~(2) The Administrative Official shall use the following map references to assist in making a determination:
 - ~~(a) Wetlands mapped under the National Wetland Inventory by the U.S. Department of Interior; Fish and Wildlife Service;~~
 - ~~(b) Areas mapped as hydric soils under the Soil Survey of Skagit County Area, Washington by the United States Department of Agriculture; Soil Conservation Service;~~
 - ~~(c) A water of the State as defined under WAC 222-16-030 and maintained in the Washington State Department of Natural Resources Stream Type Maps; and~~
 - ~~(d) Wetlands previously identified through the methodology specified under SCC 14.24.200 for another project. (Ord. 17938 Attech. F (part), 2000)~~~~

14.24.220 Wetlands Site Assessment Requirements.

Any proposed high intensity land use as defined in Table 8C-3 of Ecology publication #05-06-008 within 300 feet of wetland indicators and any other proposed land use within 225 feet of wetland indicators requires a wetlands site assessment. If a wetlands site assessment is required, it shall meet In addition to the requirements of section 14.24.080, the following requirements shall be included in a wetlands site assessment:

- ~~(1)~~ A wetland reconnaissance shall be performed by a qualified wetlands professional. The reconnaissance shall identify the presence of wetlands within 200 feet of the project or activity area. If this wetland reconnaissance demonstrates no wetlands within 200 feet of the activity area, then no further study is required.
- ~~(2)~~ A wetland delineation shall be performed as part of a site assessment, where a wetland reconnaissance confirms the presence of a wetland or the Applicant chooses to perform a delineation instead of a Wetland Reconnaissance. The delineation shall be performed by a qualified wetland professional trained in conducting delineations in accordance with the methodology specified under SCC 14.24.200 above; and:
- ~~(3)~~ Wetlands Site Assessment. The site assessment shall be prepared by a qualified wetland professional consistent with this Section and SCC 14.24.200 above. The site assessment shall include the following:
 - ~~(a)~~ Site plan prepared in accordance with the requirements of the Skagit County Planning and Permit Center indicating the presence of wetlands within 200 feet of the project or activity area. This site plan information may be prepared by the Applicant with review by the qualified wetlands professional. If the Applicant together with assistance from the Administrative Official cannot obtain permission for access to properties within 200 feet of the activity area then an approximation of the extent of off-site wetlands within 200 feet of the area may be completed based on aerial interpretation and/or visual observation from nearby vantage points;
 - ~~(b)~~ Wetland community description category including Cowardian and/or hydro-geomorphic classification and wetland rating based upon Washington State Department of Ecology's Washington State Wetland Rating System (1993) in accordance with SCC 14.24.210; and
 - ~~(c)~~ Delineation report including a site map plan indicating wetland and buffer boundaries and the locations of all data points; and
 - ~~(d)~~ Values and functions Functions and values assessments analysis shall which include includes but is not be limited to a discussion of water quality, fish and wildlife habitat, flood and stream flow attenuation, recreation and aesthetics and hydrologic regime;.

- (e) ~~Project description and impact assessment shall include a detailed narrative describing the project, its relationship to the wetland and its potential impact to the wetland; and~~
- (f) ~~Any proposed mitigation plan shall include a discussion on how the project has been designed to avoid and minimize adverse impacts to wetlands and should follow the general mitigation plan requirements described in SCC 14.24.240 below and Guidelines for Developing Freshwater Wetlands Mitigation Plans and Proposals, Department of Ecology, March 1994.~~
- (g) ~~Approval of any activity that can adversely affect regulated wetlands shall conform to the requirements set forth in SCC 14.24.170(1).-(Ord. 17938 Attch. F (part), 2000)~~

14.24.230 Alteration of wetlands.

- (1) ~~A regulated wetland buffer can only be altered if the wetlands site assessment shows that the proposed alteration does not degrade the quantitative and qualitative functioning of the wetland, or any degradation can be adequately mitigated to protect the wetland function. Any alteration approved pursuant to this Section shall include mitigation necessary to mitigate the impacts of the proposed alteration on the wetland as described in SCC 14.24.240 (Mitigation) below.~~
- (2) ~~Regulatory authority including mitigation requirements under this Chapter shall be based on the dimensional thresholds listed below and the relative functional value and uniqueness of the wetland established in accordance with the Washington State Department of Ecology, Wetlands Rating System for Western Washington (1993), for Wetland Categories I through IV:~~

Wetland Rating	Dimensional Threshold
Category I	No Exemptions
Category II	Exempt If Less Than 2,500 sq. feet
Category III	Exempt If Less Than 2,500 sq. feet
Category IV	Exempt If Less Than 10,000 sq. feet

- (a) ~~Dimensional threshold is for the total wetland size, which also applies to the wetland mosaics as described in the Wetland Rating System.~~
- (b) ~~Category III and IV dimensional thresholds may be increased as a future amendment to this Chapter, if the County completes an inventory of Category III and IV wetlands in the County that would not be regulated by a larger dimensional threshold, to determine the quantitative and qualitative function of those unregulated wetlands.~~
- (3) ~~Storm Water Discharge.~~

- (a) ~~Storm water discharges to wetlands shall be controlled and treated to provide all known and reasonable methods of prevention, control, and treatment as mandated in the State Water Quality Standards, WAC 173-201A, as required by State law.~~
- (b) ~~Category IV wetlands may be structurally or hydrologically modified for control of stormwater quantity, quality, or both only when it has been demonstrated that no other alternative solutions are available. The wetlands cannot be altered if the quantity or quality of the wetland is reduced. Further, the wetland cannot be utilized for such purposes if the alteration will impact any other critical areas or their buffer. The area shall be recorded as a Protected Critical Areas. (Ord. 17938 Attech. F (part), 2000)~~

14.24.240-230 Wetland mitigation-Protection Standards.

- (1) ~~Mitigation Plan Requirements. Along with the other provisions of the other subsections below, the following items are required as part of a mitigation plan:~~
 - (a) ~~Description of Project or Activity and Impact Assessment shall include a detailed narrative describing the project or activity, its relationship to the wetland and its potential impact to the wetland.~~
 - (b) ~~Any proposed mitigation plan shall include a discussion on how the project or activity has been designed to avoid and minimize adverse impacts to wetlands and should follow the general mitigation plan requirements described in SCC 14.24.240 below and Guidelines for Developing Freshwater Wetlands Mitigation Plans and Proposals, Department of Ecology, March 1994.~~
- (2) ~~Standard Wetland Buffers Requirements: Buffers satisfy the first step in the mitigation sequence set forth in this Section. They are necessary in order to avoid potential project generated impacts. Buffers help maintain water quality and habitat diversity while stabilizing hydrology and minimizing direct human disturbance to wetlands. Buffer widths are based on wetland rating, the functions that the buffer is expected to perform, and the intensity of the proposed land use. The following standard buffers shall be required for regulated wetlands unless otherwise provided for in this Section:~~

Wetland Rating	Standard Buffer
Category I	150 feet
Category II	100 feet
Category III	50 feet
Category IV	25 feet

(1) Wetland Buffer Widths.

(a) Standard Wetland Buffers. Standard buffers are based on land use intensity as defined in Department of Ecology’s publication 05-06-008, Wetlands in Washington State, Volume 2, Appendix 8C. The following standard buffers shall be required for regulated wetlands unless otherwise provided for in this Section:

Standard Buffers			
	Intensity		
Wetland Rating	Low	Moderate	High
<u>Category I</u>	<u>150 feet</u>	<u>225 feet</u>	<u>300 feet</u>
<u>Category II</u>	<u>150 feet</u>	<u>225 feet</u>	<u>300 feet</u>
<u>Category III</u>	<u>75 feet</u>	<u>110 feet</u>	<u>150 feet</u>
<u>Category IV</u>	<u>25 feet</u>	<u>40 feet</u>	<u>50 feet</u>

(b) Optional Wetland Buffers. The applicant may choose to have the following optional wetland buffers apply in place of the standard buffers in section (1)(a) above, provided a site assessment is completed by a qualified professional pursuant to SCC 14.24.080. Habitat score is one of three elements used to determine the wetland rating as described in SCC 14.24.200.

Optional Buffers		
	Intensity	
Habitat score	Moderate	High
<u>31 or higher</u>	<u>225 feet</u>	<u>300 feet</u>
<u>30</u>	<u>200 feet</u>	<u>270 feet</u>
<u>29</u>	<u>175 feet</u>	<u>240 feet</u>
<u>28</u>	<u>155 feet</u>	<u>210 feet</u>
<u>27</u>	<u>135 feet</u>	<u>180 feet</u>
<u>26</u>	<u>115 feet</u>	<u>150 feet</u>
<u>25</u>	<u>105 feet</u>	<u>136 feet</u>
<u>24</u>	<u>95 feet</u>	<u>124 feet</u>
<u>23</u>	<u>85 feet</u>	<u>112 feet</u>
<u>22 or lower</u>	<u>75 feet</u>	<u>100 feet</u>

(a2) Wetland buffers shall be measured horizontally in a landward direction from the wetland edge, as delineated in the field, pursuant to the requirements of SCC 14.24.22014.24.210. Where lands adjacent to a wetland display a continuous slope of 25% or greater, the buffer shall include such sloping areas. Where the horizontal distance of the sloping area is greater than the required standard buffer, the buffer shall be extended to a point 25 feet beyond the top of the bank of the sloping area.

- (b) ~~Except as otherwise specified, wetland buffers shall be retained in their natural condition.~~
- (c) ~~Where buffer disturbance or alteration has or will occur in conjunction with regulated activities, re-vegetation with native vegetation shall be required and completed 1 month before the end of the growing season.~~
- (43) Any wetland created, restored or enhanced as compensation-mitigation for approved wetland alterations shall also include the standard buffer required for the category of the created, restored, or enhanced wetland.
- (4) Where a buffer has been previously established after June 13, 1996, through a County development review and is permanently recorded on title or placed within a separate tract or easement, the buffer shall be as previously established. Additional review may be requested by the applicant or required by the Administrative Official to determine whether or not conditions onsite have changed resulting in the previously established buffer no longer being applicable.
- (5) Where a legally established and constructed public roadway transects a wetland buffer, the Department may approve a modification of the standard buffer width to the edge of the roadway provided:
- (a) The isolated part of the buffer does not provide additional protection of the wetland; and
- (b) The isolated part of the buffer provides insignificant biological, geological or hydrological buffer functions relating to the wetland; and
- (c) If the resulting buffer distance is less than 50% of the standard or optional buffer for the applicable wetland category, no further reduction shall be allowed.
- (6) Category III and IV wetlands less than 4,000 square feet that have been identified through a site assessment may be exempted or partially exempted from the provisions of this Chapter and may be altered by filling or dredging as outlined below.
- (a) Category III and IV wetlands less than 1,000 square feet are exempt where:
- (i) The wetland is isolated; and
- (ii) The wetland is not associated with a riparian corridor; and
- (iii) The wetland is not part of a wetland mosaic, as described by the Washington Department of Ecology in Publication #04-06-025; and
- (iv) The wetland does not contain Washington Department of Fish and Wildlife-designated priority species or

habitat identified as essential for local populations of priority species-

- (b) Category III and IV wetlands between 1,000 and 4,000 square feet may be exempted from the mitigation sequencing requirement to first avoid impacts where:
- (i) The wetland meets the criteria listed in 14.24.230(6)(a);
and
 - (ii) The project impacts are fully mitigated.
- (3) ~~As described generally in subsection (1) above, if an Applicant does not propose to alter the required buffer, then no additional wetland impact mitigation shall be required unless the Administrative Official demonstrates why, based on best available science for the specific functions and values of the particular wetland or the specific adverse impacts of the proposed activity, additional buffers and/or other mitigation is necessary to adequately protect the wetland functions and values.~~
- (4) ~~If an Applicant proposes to decrease or alter a required buffer or alter a wetland pursuant to SCC 14.24.140, the Applicant shall demonstrate why such buffer and/or wetland modification, together with such alternative mitigation proposed in the wetland area assessment is sufficient to adequately protect the wetland functions and values.~~

14.24.240 Wetland Performance Based Buffer Alternatives and Mitigation Standards.

(5) ~~Performance Based Buffer Alternatives. Buffer widths may be increased, decreased or averaged in accordance with the following provisions. All mitigation proposed shall be consistent with State and Federal wetland regulations. In implementing alternative buffer widths, the Administrative Official shall provide opportunity for review and comment from a Technical Team or from appropriate Federal, State and Tribal natural resource agencies to ensure the use of best available science. These comments shall be included in the public record along with the basis and rationale for requirement or approval of any such alternative buffer widths.~~

- (1) Buffer Width Increasing. The Administrative Official may require the standard or optional buffer width to be increased by the distance necessary to protect wetland functions and provide connectivity to other wetland and habitat areas for one of the following:
- (a) To maintain viable populations of existing species listed by the Federal or State government as endangered, threatened or sensitive; or
 - (b) To protect wetlands against severe erosion that standard erosion control measures will not effectively address; or
 - (c) When a Category I or II wetland is located within 300 feet of:

- (i) Another Category I, II or III wetland; or
- (ii) A fish and wildlife HCA; or
- (iii) A Type S or F stream; or
- (iv) A high intensity use that is likely to have additional impacts.

The increased buffer distance may be limited to those areas that provide connectivity or are necessary to protect wetland and habitat functions. If the wetland contains variations in sensitivity, increasing the buffer widths will only be done where necessary to preserve the structure, function and value of the wetland.

- ~~(a) Buffer Width Increasing. Standard buffers may be increased upon a determination by the Administrative Official with confirmation from the Washington State Departments of Ecology and/or Fish and Wildlife that buffer width averaging is not adequate to protect the functions and values of the wetland and increased buffer widths are necessary to:~~
 - ~~(i) Maintain viable populations of existing species listed by the Federal or State government as endangered, threatened or sensitive; or~~
 - ~~(ii) Maintain critical habitat for those species referenced in Subsection (i) above;~~
 - ~~(iii) Protect wetlands against severe erosion that standard erosion control measures will not effectively address;~~
 - ~~(iv) If the wetland contains variations in sensitivity, increasing the buffer widths will only be done where necessary to preserve the structure, function and value of the wetland.~~
- (b₂) Buffer Width Averaging. Buffer averaging allows limited reductions of buffer width in specified locations, while requiring increases in others. Averaging of required buffer widths will be allowed only if the Applicant demonstrates that all of the following criteria are met:
 - (i_a) Averaging is necessary to accomplish the purposes of the proposal and that no reasonable alternative is available; and
 - (i_b) Averaging width will not adversely affect impact the wetland functions and values; and
 - (i_c) The total area contained within the wetland buffer after averaging is no less than that contained within the standard buffer prior to averaging; and
 - (d) The buffer width shall not be reduced below seventy-five percent 50/75% of the standard buffer width, or 25 feet, whichever is greater, unless the Administrative Official determines that no other reasonable alternative exists and that no net loss of wetland functional values will result, based on a functional assessment

~~provided by the Applicant utilizing a methodology approved by the Administrative Official.~~

- (3) Buffer Width Decreasing. Prior to considering buffer reductions, the applicant shall demonstrate application of mitigation sequencing as required in SCC 14.24.080. A plan for mitigating buffer-reduction impacts must be prepared using selected incentive-based mitigation options from the list below.
- (a) High intensity land use projects may apply moderate intensity buffers if measures to minimize impacts to wetlands from high intensity land uses are implemented. Some of the measures that may be used can be found in Department of Ecology publication 05-06-008, Wetlands in Washington State, Volume 2, Appendix 8C.
- (b) The following incentive options for reducing standard or optional buffer widths shall be considered cumulative up to a maximum reduction of twenty-five percent (25%) of the standard buffer width and shall result in equal or greater protection of wetland functions and values. In all circumstances where a substantial portion of the remaining buffer is degraded, the buffer reduction plan shall include replanting with native vegetation in the degraded portions of the remaining buffer area and shall include a five (5) year monitoring and maintenance plan.
- (i) Installation of biofiltration/infiltration mechanisms: up to twenty percent (20%) reduction in the standard buffer width for the installation of bioswales, created and/or enhanced wetlands, or ponds supplemental to existing storm drainage and water quality requirements.
- (ii) Removal of existing impervious surfaces:
- (A) Up to ten percent (10%) reduction in standard buffer width if impervious surfaces within the to-be-remaining buffer area are reduced by at least fifty percent (50%); or
- (B) Up to twenty percent (20%) reduction in standard buffer width if the to-be-remaining buffer area is presently more than fifty percent (50%) impervious AND all of it is to be removed.
- (iii) Removal of invasive, non-native vegetation: up to ten percent (10%) reduction in standard buffer width for the removal and extended (minimum 5 year) monitoring and continued-removal maintenance of relatively dense stands of invasive, non-native vegetation from significant portions of the remaining buffer area.

- (iv) Installation of oil/water separators for storm water quality control: up to ten percent (10%) reduction in standard buffer width for installation of oil/water separator supplemental to existing storm drainage and water quality requirements.
 - (v) Use of pervious material for driveway/road construction: up to ten percent (10%) reduction in standard buffer width.
 - (vi) Removal of significant refuse or sources of toxic material: up to ten percent (10%) reduction in standard buffer width.
 - (vii) Native vegetation enhancement within a wetland and/or its buffer: up to twenty-five percent (25%) reduction in standard buffer width if identified as benefit to functions and values in the site assessment.
 - (viii) Retention of existing vegetation: up to twenty-five percent (25%) reduction in standard buffer width with a previously established densely vegetated buffer that protects the functions and values of the wetland.
- (e) ~~Buffer Width Decreasing. Decreasing of standard buffer widths will be allowed pursuant to SCC 14.24.140 only if the Applicant demonstrates that all of the following criteria are met:~~
- (i) ~~Buffer width averaging pursuant to Subsection (b), above, is not possible due to site characteristic; and~~
 - (ii) ~~A decrease is necessary to accomplish the purposes of the proposal and no reasonable alternative is available; and~~
 - (iii) ~~Decreasing width will not adversely affect the wetland functions and values; and~~
 - (iv) ~~If a portion of a buffer is to be reduced, the remaining buffer area will be enhanced, using native vegetation, artificial habitat features, vegetative screening and/or barrier fencing as appropriate to improve the functional attributes of the buffer and to provide adequate protection for wetland functions and values; and~~
 - (v) ~~The buffer width shall not be reduced below 50% of the standard buffer width or 25 feet, whichever is greater, unless the Administrative Official determines that no other reasonable alternative exists and that no net loss of wetland functional values will result, based on a functional assessment provided by the Applicant utilizing a methodology approved by the Administrative Official.~~

- (4) Any person who alters or proposes to alter regulated wetlands shall restore or create areas of wetland in order to compensate for wetland losses. The following ratios in the table below apply to creation or restoration which is in-kind (i.e., the same type of wetland), on-site and is accomplished prior to or concurrently with loss. The first number specifies the acreage of wetlands to be restored or created and the second specifies the acreage of wetlands lost:

Wetland Restoration/Creation Ratios:

	<u>Wetland Created : Wetland Area Lost</u>
<u>Category I</u>	<u>6:1</u>
<u>Category II or III</u>	
<u>Forested</u>	<u>3:1</u>
<u>Scrub/shrub</u>	<u>2:1</u>
<u>Emergent</u>	<u>2:1</u>
<u>Category IV</u>	<u>1.5:1</u>

- (5) Buffer Width Variance. Standard and optional buffer widths may be reduced by more than 25% through a variance pursuant to SCC 14.24.140.
- (6) Allowed Uses in Wetlands or Wetland Buffers. The following activities may be permitted within wetlands or their buffers but shall comply with SCC 14.24.080 and SCC 14.24.220.
- (6a) Roads, Bridges and Utilities. Road, bridge and utility construction may be permitted across Category I wetlands and/or their buffers only with a variance in accordance with 14.24.140 and Category II, III or IV wetlands and/or their buffers under the following conditions:
- (i) It is demonstrated to the Administrative Official that there are no alternative routes that can be reasonably used to achieve the proposed development; and
 - (ii) The activity will have minimum adverse impact to the wetland area; and
 - (iii) The activity will not significantly degrade surface or groundwater; and
 - (iv) The intrusion into the wetland area and its buffers is fully mitigated;
 - (v) ~~The Administrative Official shall provide opportunity for review and comment by a Technical Team in which participation has been solicited from Federal, State and Tribal natural resource agencies.~~
- (7b) ~~Allowed Uses in Buffers. Low impact uses and activities which are consistent with the purpose and function of the habitat buffer and do not detract from its integrity may be permitted within the buffer depending on the sensitivity of the habitat wetland~~

involved provided, that such activity shall not result in a decrease in wetland ~~functional values~~ functions and values and shall not prevent or inhibit the buffer's recovery to at least pre-altered condition or function. Examples of uses and activities which may be permitted in appropriate cases, as long as the activity does not retard the overall recovery of the buffer, include removal of noxious vegetation, pedestrian trails, and viewing platforms less than 200 square feet which may be covered but not enclosed, ~~and stormwater management facilities such as grass-lined swales.~~

- (c) Stormwater discharges to wetlands shall be controlled and treated in accordance with the Stormwater Management Manual for Western Washington, Department of Ecology publication Numbers 05-10-029 through 05-10-033.
- (8) ~~Establishment of Limits of Clearing. The location of the outer extent of the wetland buffer and the limits of the areas to be disturbed shall be marked in the field and be included as a condition of a development permit or approval. Such field markings may be field approved by the Administrative Official prior to the commencement of permitted activities. Markings shall be maintained throughout the duration of any construction activities.~~
- (9) ~~Exceptions to Mitigation Requirements. Requirements for mitigation do not apply under the following circumstances:~~
- (a) ~~When a wetland alteration is intended exclusively for the enhancement or restoration of an existing regulated wetland and the proposal will not result in a loss of wetland function and value, subject to the following conditions:~~
- (i) ~~The enhancement or restoration project shall not be associated with a development activity.~~
- (ii) ~~An enhancement or restoration plan shall be submitted for site plan review. The restoration or enhancement plan must include the information required under SCC 14.24.220.~~
- (b) ~~When a wetland is a part of a development activity that is permitted by the Corp of Engineers NWP 14 permitting crossing of wetlands as part of road construction.~~
- (10) ~~Compensatory Mitigation.~~
- (a) ~~General Provisions.~~
- (i) ~~Compensatory mitigation shall be conducted on property which shall be protected and managed to avoid further loss or degradation. The Applicant or violator shall~~

provide for long term preservation of the compensation area.

- (ii) — Compensatory mitigation shall follow an approved Compensatory Mitigation Plan pursuant to SCC 14.24.230 and reflect the restoration/creation ratios specified in Subsection (b) below.
- (iii) — Enhancement of existing wetlands, other than Category I and Category II wetlands, may be considered for compensation by doubling the ratios in Subsection (b) below.
- (iv) — Compensation shall be completed prior to, or concurrently with, wetland loss, or, in the case of an enforcement action, prior to further development of the site.

(b) — ~~On Site Compensation. As a condition of any development permit or approval which results in on-site loss or degradation of regulated wetlands and/or wetland buffers, or as an enforcement action pursuant to SCC 14.44, the Administrative Official shall require of the Applicant compensatory mitigation to offset impacts resulting from the actions of the Applicant or violator. On-site compensation is generally preferred over off-site compensation.~~

Except under SCC 14.24.240(9) (Exceptions), any person who alters or proposes to alter regulated wetlands shall restore or create areas of wetland in order to compensate for wetland losses. The following ratios in the table below apply to creation or restoration which is in-kind (i.e., the same type of wetland), on-site, and is accomplished prior to or concurrently with loss. The first number specifies the acreage of wetlands to be restored or created and the second specifies the acreage of wetlands lost:

Wetland On-Site Restoration/Creation Ratios: _____

_____	<i>Wetland Created : Wetland Area Lost</i>
Category I	4:1
Category II or III	
Forested	3:1
Scrub/shrub	2:1
Emergent	2:1
Category IV	1.25:1

(c) — ~~Off Site Compensation. Off-site compensation allows replacement of wetlands away from the site on which the wetland has been impacted by a regulated activity. Off-site compensation will be conducted in accordance with the restoration/creation ratios described in Subsection 14.24.240(10)(b) and selecting compensation sites in Subsection 14.24.240(10)(e). Off-site compensation shall occur within the same drainage basin of the same watershed where the wetland~~

loss occurs, provided that Category IV wetlands may be replaced outside of the watershed if there is no reasonable alternative. In such instances, the stormwater storage function provided by Category IV Wetlands must be provided for within the design of the development project. Off site compensation can be allowed only under one or more of the following circumstances:

- (i) On site compensation is not feasible due to hydrology, soils, or other factors;
 - (ii) On site compensation is not practical due to probable adverse impacts from surrounding land uses or would conflict with a Federal, State or local public safety directive;
 - (iii) Potential functional values at the site of the proposed restoration are greater than the lost wetland functional values;
 - (iv) When the wetland to be altered is of a limited and is degraded, compensation shall be of the wetland community types needed most in the location of compensation and those most likely to succeed with the highest functional value possible.
- (d) Out of kind compensation can be allowed when out of kind replacement will best meet the provisions of Subsection (10)(e) of this Section and the mitigation sequence outlined in this Section.
- (e) ~~Selecting Compensation Sites — General Provisions.~~
- (i) ~~Except in the case of cooperative compensation projects in selecting compensation sites, Applicants shall pursue locations in the following order of preference:~~
 - (A) ~~Filled, drained, or cleared sites which were formerly wetlands and where appropriate hydrology exists;~~
 - (B) ~~Upland sites, adjacent to wetlands, if the upland is significantly disturbed and does not contain a mature forested or shrub community of native species, and where the appropriate natural hydrology exists.~~
 - (ii) ~~Where out of kind replacement is accepted, greater restoration/creation ratios may be required.~~
- (11) ~~Timing. Construction of compensation projects shall be timed to reduce impacts to existing wildlife and plants. Construction shall be timed to assure that grading and soil movement occurs during the dry season and planting of vegetation shall be specifically timed to needs of the target species.~~

- (12) ~~Alternative Compensation Projects. The Administrative Official may encourage, facilitate and approve innovative wetland mitigation projects. Advance compensation or mitigation banking are examples of alternative compensation projects allowed under the provisions of this Section wherein one or more Applicant(s), or an organization with demonstrated capability, may undertake a compensation project together if it is demonstrated that all of the following circumstances exist:~~
- (a) ~~Creation of one or several larger wetlands may be preferable to many small wetlands;~~
 - (b) ~~The group demonstrates the organizational and fiscal capability to act cooperatively;~~
 - (c) ~~The group demonstrates that long term management of the compensation area will be provided;~~
 - (d) ~~There is a clear potential for success of the proposed compensation at the identified compensation site;~~
 - (e) ~~Conducting compensation as part of a cooperative process does not reduce or eliminate the required replacement ratios outlined in SCC 14.24.240 (10). Exception: where a compensatory mitigation plan including a 5 year monitoring agreement is included as a condition of approval, such plan shall allow for 1:1 replacement ratios upon successful completion of the monitoring agreement;~~
 - (f) ~~Wetland mitigation banking programs consistent with the provisions outlined in the Department of Ecology's publication 92-12 (Wetland Mitigation Banking) and publication 94-29 (Guidelines for Developing Freshwater Wetlands Mitigation Plans and Proposals) will be considered as a method of compensation for unavoidable, adverse wetland impacts associated with future development. (Ord. 17938 Attch. F (part), 2000)~~

14.24.250 Wetland Alternative Compensation Projects.

- (1) Off-Site Compensation. On-site compensation is generally preferred over off-site compensation. Off-site compensation allows replacement of wetlands away from the site on which the wetland has been impacted by a regulated activity. The following conditions apply to off-site compensation:
- (a) Off-site compensation shall occur within the same drainage basin of the same watershed where the wetland loss occurs, provided that Category IV wetlands may be replaced outside of the watershed if there is no reasonable alternative. In such instances, the stormwater storage function provided by Category IV Wetlands must be provided for within the design of the development project.

- (b) Off-site compensation can be allowed only under one or more of the following circumstances:
- (i) On-site compensation is not feasible due to hydrology, soils, or other physical factors;
 - (ii) On-site compensation is not practical due to probable adverse impacts from surrounding land uses or would conflict with a Federal, State or local public safety directive;
 - (iii) Potential functions and values at the site of the proposed restoration are greater than the lost wetland functions and values;
 - (iv) When the wetland to be altered is of a limited function and value and is degraded, compensation shall be of the wetland community types needed most in the location of compensation and those most likely to succeed with the highest functions and values possible.
- (2) Out-of-kind compensation can be allowed when out-of-kind replacement will best meet the provisions of Subsection (3)(a) of this Section and the mitigation sequence outlined in SCC 14.24.080.
- (3) Selecting Compensation Sites. Except in the case of cooperative compensation projects in selecting compensation sites, applicants shall pursue locations in the following order of preference:
- (a) Filled, drained, or cleared sites which were formerly wetlands and where appropriate hydrology exists;
 - (b) Upland sites, adjacent to wetlands, if the upland is significantly disturbed and does not contain a mature forested or shrub community of native species, and where the appropriate natural hydrology exists.
- (4) Innovative Wetland Mitigation Projects. The Administrative Official may encourage, facilitate and approve innovative wetland mitigation projects. Advance compensation or mitigation banking are examples of innovative compensation projects allowed under the provisions of this Section wherein one or more applicant(s), or an organization with demonstrated capability, may undertake a compensation project together if it is demonstrated that all of the following circumstances exist:
- (a) Creation of one or several larger wetlands may be preferable to many small wetlands; and
 - (b) The group demonstrates the organizational and fiscal capability to act cooperatively; and

- (c) The group demonstrates that long term management of the compensation area will be provided; and
- (d) There is a clear potential for success of the proposed compensation at the identified compensation site; and
- (e) Wetland mitigation banking programs consistent with the provisions outlined in the Department of Ecology's publication 92-12 (Wetland Mitigation Banking), publication 94-29 (Guidelines for Developing Freshwater Wetlands Mitigation Plans and Proposals), RCW 90.84 and draft rule (WAC 173-700) will be considered as a method of compensation for unavoidable, adverse wetland impacts associated with future development.

14.24.300 Aquifer Recharge Areas Intent.

- (1) ~~Intent.~~ This Section establishes areas determined to be critical in maintaining both groundwater quantity and quality. This Section specifies regulatory requirements ~~for to be enacted when~~ development within these areas ~~is proposed to occur~~ and provides a methodology by which Skagit County will determine the level of review and any mitigations measures required. The intent of this Section is to:
 - (a) Define minimum regulatory requirements to protect groundwater quality and quantity for existing and future use; and
 - (b) Identify ~~the~~ practices, alternatives, ~~or and~~ mitigations measures that can minimize the adverse impacts of proposed projects; and
 - (c) ~~Insure~~ Ensure adequate design, construction, management, and operations to protect groundwater quality and quantity.
- (2) Existing and future beneficial uses of groundwater shall be maintained and protected, ~~and d~~ Degradation of groundwater quality that would interfere with or become injurious to beneficial uses shall be avoided or minimized.
- (3) Wherever ~~groundwaters are~~ is determined to be of a higher quality than the criteria established for said waters under this Section, the existing water quality shall be protected, and contaminants that will reduce the existing quality thereof shall not be allowed to enter such waters, except in those instances where it can be demonstrated that:
 - (a) An overriding consideration of the public interest will be served; and
 - (b) All contaminants proposed for entry into said groundwater(s) shall be provided with all known, available, and reasonable methods of prevention, control, and treatment prior to entry.
- (4) It is the intent of this regulation to ~~be consistent~~ comply with and implement the requirements of RCW 90.48, ~~RCW 90.54,~~ WAC 173-200,

~~WAC 173-201A, WAC 173-160, WAC 246-290, and WAC 246-291, SCC 12.48 and, whenever possible, carry out powers in manners which are consistent with RCW 90.54, WAC 173-503 and 173-505, or as the same may hereafter be amended. (Ord. 17938 Attch. F (part), 2000)~~

- (5) ~~It is also the intent of this regulation to comply with Washington State Department of Health's wellhead protection guidance.~~

14.24.310 Aquifer Recharge Areas Designations.

~~Skagit County, through this Section, hereby designates 2~~ There are two categories ~~for of~~ aquifer recharge areas. These categories are designated to assist the Administrative Official in determining the level of assessment necessary to evaluate ~~specific~~ land use proposals. The categories are based on the determination that certain areas require additional scrutiny of the potential impacts of a proposed land use with consideration given to hydrogeological susceptibility and vulnerability. All designated areas are subject to change as data and information are updated or become available.

- (1) ~~Designation~~ Categories.

- (a) Category I areas are those so designated because of the need ~~to provide them special for~~ protection due to a ~~specific~~ pre-existing land use, or because they are identified by the County, State or Federal government as areas in need of ~~special~~ aquifer protection where a proposed land use may pose a potential risk which increases aquifer vulnerability. Category I areas are shown on the Aquifer Recharge Area map. Category I areas includes:

- (i) ~~areas~~ Areas served by groundwater which have been designated as a "Sole Source Aquifer Area" under the Federal Safe Drinking Water Act; and ~~areas identified within a "closed" or "low flow" stream watershed designated by the Department of Ecology pursuant to RCW 90.22;~~

- (ii) ~~areas~~ Areas identified by the County as potential or existing sea water intrusion areas; and

- (iii) ~~areas~~ Areas designated as "Wellhead Protection Areas" pursuant to WAC 246-290-135(4) ~~and the groundwater contribution area in WAC 246-291-100 (2)(e).~~, or otherwise recognized by the Health Officer or Administrative Official as needing wellhead protection. Wellhead protection areas shall, for the purpose of this regulation, include the identified recharge areas associated with: ~~either Group A public water supply wells, those Group B wells with a wellhead protection plan filed with the Skagit County Health Department, or plats served by 5 or more individual wells where the average lot size is equal to or less than 2 acres for which a well head protection plan has been completed and filed with the Skagit County Health Department. Category I areas are shown on the Aquifer Recharge Area map.~~

- (A) The ten year groundwater time of travel for all Group A public water systems; or
 - (B) The one year groundwater time of travel for all Group B public water supply wells.
- (b) ~~Category II is designated as areas~~Areas throughout the County not identified as Category I areas are designated as Category II areas.
- (c) When any portion of the proposed project area ~~lies is~~ located partly within a Category I area, the proposed project shall be subject to the level of scrutiny provided for a Category I area. (Ord. 17938 Atch. F (part), 2000)
- (2) In order to protect aquatic resources, each watershed drainage area identified in SCC 14.24.350 is hereby designated as a "Flow-Sensitive Basin." Flow-Sensitive Basins may include areas that also are designated Category I or Category II areas.

14.24.320 Aquifer Recharge Areas applicability and Prohibited Activities.

- (1) ~~Applicability. All development projects are subject to the provisions of this Section except for the following:~~
- (a) ~~Existing activities that currently and legally exist at the time this Chapter became effective June 13, 1996. However, expansions or changes in use are subject to this Section and the review process contained herein.~~
 - (b) ~~Single family residential building permits, including accessory building permits, which are outside Category I areas.~~
 - (c) ~~Residential short plats outside Category I areas where each lot is 2.5 acres or greater.~~
 - (d) ~~Single family residential building permits where a site assessment report was required to be completed for the land division, in which case, to meet the conditions of this exemption, the Applicant must comply with the recorded plat notes and the applicable mitigations contained in the site assessment report.~~
- (2) ~~Prohibited Activities.~~The following activities are prohibited in Category I areas due to the probability ~~and/or~~ potential magnitude of their adverse effects on groundwater:
- (a)(1) Landfills, including, but not limited to, hazardous or dangerous waste disposal facilities as defined in WAC 173-303, municipal solid waste landfills as defined in WAC 173-351, and limited purpose landfills as defined in WAC 173-350, activities as defined in WAC 173-304 and WAC 173-351.

- ~~(b)(2)~~ Underground injection wells. Class I, III, and IV wells and subclasses 5F01, 5D03, 5F04, 5W09, 5W10, 5W11, 5W31, 5X13, 5X14, 5X15, 5W20, 5X28, and 5N24 of Class V wells, such as: Class V injection wells, including:
- ~~(ia)~~ Agricultural drainage wells;
 - ~~(ib)~~ Untreated sewage waste disposal wells;
 - ~~(ic)~~ Cesspools;
 - ~~(id)~~ Industrial process water and disposal wells; and
 - ~~(ie)~~ Radioactive waste disposal.
 - ~~(e)~~ Radioactive disposal sites.
- ~~(3)~~ Wood treatment facilities that allow any portion of the treatment process to occur over permeable surfaces (both natural and manmade).
- ~~(4)~~ Facilities that store, process, or dispose of chemicals containing perchloroethylene (PCE) or methyl tertiary butyl ether (MTBE).
- ~~(5)~~ Facilities that store, process, or dispose of radioactive substances.
- ~~(6)~~ Other activities that the Administrative Official or Health Officer determines would significantly degrade groundwater quality or reduce the recharge to aquifers currently or potentially used as a potable water source or that may serve as a significant source of base flow to a Flow-Sensitive Basin stream. The determination must be made based on credible scientific information. (Ord. 17938 Attch. F (part), 2000)

~~14.24.330 Initial project review.~~

- ~~(1)~~ General Procedures. Applicants for all development projects not allowed under SCC 14.24.100 or SCC 14.24.320 of this Chapter shall be required, through a site assessment report prepared pursuant to SCC 14.24.340, to evaluate potential impacts to aquifer recharge areas, and appropriate mitigation measures to reduce or eliminate the potential for adversely impacting aquifer recharge areas shall be identified. The level of study and report detail required will be determined by the Administrative Official based on the type of land use being proposed, the designated aquifer recharge area category, and the vulnerability of the underlying aquifer(s) to contamination.

~~The goal of this Section is to require Applicants to identify and characterize vulnerability only to the level necessary to determine appropriate mitigation measures necessary, to either reduce potential adverse impacts to established parameters or eliminate potential adverse impacts to underlying aquifer(s).~~

~~(2) — Scoping. The level of study which will be required of the Applicant by the Administrative Official for a given development will be based on an initial project review by the Skagit County Planning and Permit Center that may include staff from the Planning and Health Departments, and the County Hydrogeologist. Elements for the report that are required at a minimum and other elements that may be required as part of the scope for the study are listed in SCC 14.24.340. Subsequent findings from the study or other information made available after the initial project review may obligate the Applicant to additional evaluation, development of a mitigation plan, and/or development of a groundwater monitoring plan. The following outlines the review process:~~

- ~~(a) — The Administrative Official and Health Officer shall review the project and determine the required scope of the Site Assessment Report. The scope of site assessment required shall be conveyed to the Applicant and/or his or her representative in writing. The Applicant may present evidence to the Administrative Official and Health Officer to justify reduction in the scope for the Site Assessment Report.~~
- ~~(b) — Four copies of the Site Assessment Report shall be submitted to the Planning and Permit Center for review. The Administrative Official and/or Health Officer shall either approve the Site Assessment Report as submitted, require additional evaluation, or require development of a Mitigation Plan. If additional information is required beyond the initial Site Assessment Report, the Applicant and/or his or her representative shall be notified in writing of the specifics of the information required. The Applicant may present evidence to the reviewing official to justify modification of the requirement for additional information or present alternative or additional mitigation measures in lieu of further study.~~
- ~~(c) — When, to the satisfaction of the Administrative Official, all information is provided and mitigation(s) established as being in compliance with this Section, the Administrative Official shall make appropriate recommendations for project permit approval. (Ord. 17938 Attech. F (part), 2000)~~

14.24.340-14.24.330 Aquifer Recharge Areas Site Assessment Report Requirements.

- ~~(1) — The scope of the Site Assessment Report shall be determined based on the initial project review specified in SCC 14.24.330. The scope of the report may be reduced by utilizing appropriate mitigation measures, or if the water quality or quantity issue(s) are already known.~~
- ~~(2) — The Site Assessment Report shall be prepared by, or under the direction of, and signed by a professional engineer, licensed in the State of Washington, trained and qualified to analyze geologic, hydrologic, and groundwater flow systems; or by a geologist or hydrogeologist who earns his or her livelihood from the field of geology and/or hydrogeology and has received a degree in geological sciences from an accredited 4 year~~

~~institution of higher education and who has relevant training and experience analyzing geologic, hydrologic, and groundwater flow systems.~~

- (1) ~~Except as provided in subsection (4), the level of study for a site assessment which will be required of the applicant by the Administrative Official for a given development will be based on an initial project review by Skagit County Planning and Development Services that may also include staff from the Health Department, and a County staff hydrogeologist. The standard site assessment requirements are provided in subsection (2) below. The reporting requirements for a particular project can be reduced, at the discretion of the Administrative Official or Health Officer, if it is determined that the preparation of a site assessment is not likely to provide additional information that will aid in the assessment of likely impacts to groundwater quality or quantity.~~
- (32) ~~Site Assessment Report Requirements. A site plan shall be prepared in accordance with the requirements of the Skagit County Planning and Permit Center. Unless the scope of the site assessment has been reduced by the Administrative Official or the Health Officer, the site assessment shall satisfy~~In addition to the requirements of SCC 14.24.080, a site assessment and report shall include:
- (a) ~~A description of the project including those activities, practices, materials, or chemicals that have a potential to adversely affect the quantity or quality of underlying aquifer(s).~~
 - (b) ~~Identification of appropriate mitigation measures and description of how they will prevent degradation of underlying aquifer(s).~~
 - (ea) A site plan, prepared in accordance with the Administrative Official or Health Officer, or another appropriately scaled map showing indicating the approximate location of known or geologically representative well(s)wells (abandoned and active), spring(s)springs, and surface watercourses within 1,000 feet of the subject project property. All well logs available through the Health Department or Washington State Department of Ecology for identified wells located within 1,000 feet of the project property shall be included; and
 - (b) ~~All well logs available through the Health Department or for identified wells within 1000 feet of the project property shall be included.~~
 - (db) A description of the site-specific hydrogeologic characteristics regarding potential impact(s) to the quantity or quality of underlying aquifer(s). At a minimum this will include a description of the lithology, depth to and static water level of known underlying aquifer(s), and depiction of groundwater flow direction and patterns on the appropriate map; and-

- (ec) Identification of the initial receptors of potential adverse impacts located hydraulically down-gradient ~~and from the project~~ within 1,000 feet of the project or as otherwise directed by the Administrative Official ~~and/or~~ Health Officer.
- (43) Additional Site Assessment Elements. After the initial project review, one or more of the site assessment elements listed below may be required based upon the proposed project activity, aquifer recharge area classification, complexity of underlying hydrogeologic conditions, ~~and/or~~ the perceived potential to adversely impact hydraulically downgradient receptors. One or more of these additional site assessment elements may also be required if the Applicant chooses to demonstrate that certain mitigation measures are not necessary to protect the quantity or quality of the underlying aquifer(s), or that the project does not pose a detrimental risk to hydraulically downgradient receptors. Additional site assessment elements include:
- (a) Lithologic characteristics and stratigraphic relationships of the affected aquifer(s) and overlying geologic units (~~includes~~ and soil types) including thickness, horizontal and vertical extent, permeability, and infiltration rates of surface soils.
 - (b) Delineation of identified structural features such as faults, fractures, and fissures.
 - (c) Aquifer characteristics including determination of recharge and discharge areas, transmissivity, storage coefficient, hydraulic conductivity, porosity, and estimate of groundwater flow direction, velocity and patterns for the affected aquifer(s).
 - (d) Estimate of precipitation, ~~evaporation~~, and evapotranspiration rates for the project area.
 - (e) Preparation of appropriate hydrogeological cross sections depicting ~~at a minimum~~ underlying lithology and stratigraphy, aquifer(s), and potential or probable contaminant pathways from a chemical release.
 - (f) Contaminant fate and transport including probable migration pathways and travel time of potential contaminant release(s) from the site through the unsaturated zone to the aquifer(s) and through the aquifer(s), and how the contaminant(s) may be attenuated within the unsaturated zone and the aquifer(s)- ~~Includes with~~ includes with consideration ~~of to~~ advection, dispersion, and diffusion of contaminants in the groundwater.
 - (g) Delineation of areas potentially affected by contaminant migration on the ground surface ~~and/or~~ through ~~the~~ potentially affected aquifer(s).

- (h) Determination of background or existing groundwater quality underlying the project area.
 - (i) Development of a groundwater monitoring program to measure potential impacts of the development to underlying aquifer(s).
 - (j) Development of a spill plan and/or contingency plan describing the specific actions, which will be taken if a release of a contaminant(s) occurs, or if groundwater monitoring results indicate a contaminant(s) from the site has entered the underlying aquifer(s).
 - (k) ~~The~~ Determination of the degree of continuity between groundwater and nearby surface water including potential impacts to “closed” or “low-flow” streams (as described in SCC 14.24.350) stream flows in Flow-Sensitive Basins from proposed groundwater withdrawals, and potential impacts to surface water quality from site runoff or contaminated groundwater discharge.
 - (l) Assessment of the potential for pumping-induced seawater intrusion. In conjunction with the Skagit County Interim Seawater Intrusion Policy and subsequent policies or ordinances, applicable projects shall be required to determine appropriate pumping rates and schedules that maintain dynamic drawdown levels above mean sea level.
 - (m) ~~Applicable projects such as special use permits, short plats, or long plats shall test existing and/or test wells for nitrate levels and where appropriate calculate the nitrate loading rate at full build-out of the project. Nitrate Loading Assessment. For projects that have the potential to adversely impact groundwater quality by nitrate loading, the applicant shall test existing wells and/or required test wells for nitrate as nitrogen and calculate the current and projected future groundwater nitrate concentrations at full project build-out, at an appropriate point of compliance, as determined by project specifics, and in a methodology approved by the County. If the calculated nitrate loading in the intended water supply equals or exceeds 5 milligrams per liter mg/L nitrate as nitrogen, the proposal Applicant shall will need to develop a mitigation plan, with the point of compliance shall be determined based on project specifics. (Ord. 17938 Atch. F (part), 2000)~~
- (4) Exemptions. The following activities are exempted from the provisions of SCC 14.24.330:
- (a) Activities that legally existed on or before June 13, 1996. Expansions or changes in use shall comply with the applicable provisions of the Section.

- (b) Single family residential building permits, including accessory building permits and accessory dwelling unit (ADU) building permits, which are outside Category I areas.
- (c) Residential short plats outside Category I areas where each lot is 2.5 acres or greater.
- (d) Single-family residential building permits where a site assessment was required to be completed for the land division. To meet the conditions of this exemption, the applicant must comply with the recorded plat notes and the applicable mitigation measures contained in the site assessment.
- (e) Activities allowed without standard critical areas review pursuant to SCC 14.24.070.

14.24.350-14.24.340 Aquifer Recharge Areas Impact Mitigation.

The ~~Administrative Official~~Planning and Permit Center and ~~Health Department Officer~~ shall review development proposals to assess aquifer(s) vulnerability and establish needed mitigation measures. Where determined to be necessary through the site assessment process, or otherwise required under SCC 14.24.310(1)(a)(iii), development approvals shall include conditions designed to prevent significant degradation of water quality or reduction in recharge to the aquifer water quantity in aquifer recharge areas. Mitigation for groundwater withdrawals are presented in SCC 14.24.360. The project shall not cause exceedance of the water quality standards specified in WAC 173-200 or otherwise violate the anti-degradation of the groundwater quality below the standards described in requirements of WAC 173-200 or Department of Ecology's Skagit County's seawater intrusion policy.

- (1) Mitigation Plan Elements. For proposals requiring aquifer recharge area impact mitigations, in addition to adhering to any of the required mitigations measures identified above, the applicant shall develop for approval by the Administrative Official and the Health Officer a mitigation plan for the proposed development. All mitigation conditions applied to permits shall be based on all known, available, and reasonable methods of prevention, control, and treatment. Compliance with the mitigation plan shall be enforceable by the Administrative Official or Health Officer. The applicant may amend the plan with the approval of the Administrative Official and Health Officer. The Administrative Official and Health Officer may, based on performance criteria and monitoring results, require additional amendments to the plan. The mitigation plan shall contain the project's permit conditions and, as applicable:
 - (a) A description of the mitigation measures to be taken, how they will be implemented, and performance criteria.
 - (b) An environmental monitoring plan describing the monitoring program, maintenance, and reporting requirements.

- (c) A contingency plan describing corrective actions to be taken if monitoring results indicate that mitigation measures are not effectively protecting groundwater resources and human health. The Health Officer or the Administrative Official shall have the authority to impose additional required corrective actions where such measures are necessary to protect groundwater resources or human health. Where appropriate contingencies are not feasible and results in an activity posing unacceptable risk to the groundwater resources or human health, the Administrative Official or Health Officer shall deny the proposal.
- (d) Multiple stage (or phased development) must consider the total build-out of the project in terms of Critical Aquifer Recharge Areas protection to allow for an assessment of the cumulative impacts of the entire development.
- (e) Conditions that would precipitate ceasing the project operation altogether.
- (1f) Wellhead Protection Mitigation. Where a wellhead protection plan that addresses addressing the project area exists, the Administrative Official or Health Officer shall use the recommendations contained in the wellhead protection plan as a basis for formulating required mitigations measures. In the absence of such a mitigation plan, the Administrative Official or the Health Officer Planning and Permit Center and/or Health Department shall contact the Public Water System Water Purveyor or purveyor of the public water system impacted by the proposed project and jointly develop mitigations measures, a summary of which shall be signed by the Applicant and recorded with the Applicant's property title. Where the project includes 5 or more lots of 2 acres or less in size and is proposed to be served by individual wells, the Applicant shall prepare a Wellhead Protection Plan which must be approved by and kept on file with the Skagit County Health Department.
- (2g) Seawater Intrusion Mitigation. Mitigation for a single family residence shall be consistent in conformance with the Skagit County Public Health Department's "Seawater Intrusion Policy" in effect under and Skagit County Code SCC 12.48.
- (3h) "Sole Source Aquifer" Mitigation. There shall be no density bonus for CaRD developments in areas designated as a "Sole Source Aquifer," except where the source of water for the project is from a public water system whose source is not located within outside the designated sole source aquifer area.
- (4i) Nitrate Loading Mitigation.
- (i) General Requirements. If the project's a calculated nitrate loading concentration for a project at the determined

~~designated point of compliance (per SCC 14.24.340 (2)(m))~~ per SCC 14.24.330 (3)(m) is equal to or greater than 5 milligrams per liter ~~mg/L~~ nitrate as nitrogen, then the ~~project~~ Applicant shall be required to place a notification on the documents of title for the property affected and a monitoring plan shall be developed to ~~track~~ monitor the nitrate level and include a contingency plan to be implemented if the nitrate level exceeds 10 milligrams per liter ~~mg/L~~ nitrate as nitrogen.

(ii) Land Divisions. If the calculated nitrate loading concentration for a land division at the designated point of compliance per SCC 14.24.330 (3)(m) ~~plat nitrate loading calculation~~ is equal to or ~~exceeds~~ greater than 5 milligrams per liter ~~mg/L~~ nitrate as nitrogen, then the Applicant shall:

- (A) develop ~~Develop~~ a mitigation plan to ~~reduce~~ minimize the nitrate loading rate ~~below 5 mg/L nitrate as nitrogen;~~ and
- (B) Develop a contingency plan to be implemented if the nitrate concentration exceeds 10 milligrams per liter nitrate as nitrogen; and
- (C) Place notification on the plat stating that mitigation and contingency plans exist.

(iii) Mitigation of nitrate in groundwater from on-site septic systems may include decreasing the density of septic system drainfields.

(2) Recording of Mitigation Plan Summaries.

(a) General Requirements. The Administrative Official ~~and/or~~ Health Officer may require that the applicant record a County-approved summary of the mitigation plan on the property title. A copy of the recorded summary shall be provided to the Administrative Official. If a property owner can demonstrate, to the satisfaction of the Administrative Official or Health Officer, that mitigation measures are no longer necessary, the Administrative Official or Health Officer shall approve the addition of language on the title for the property nullifying the mitigation requirements.

(b) Land Divisions. The Administrative Official shall require the applicant for a land division to record the mitigation plan as part of the plat notes. If the mitigation plan is not recorded as or referenced by a plat note, the applicant shall record the mitigation plan on the affected property title(s).

(5) ~~Closed/Low flow Stream Mitigation.~~

- (a) ~~If the project area falls within ½ mile of any of the streams identified in Appendix A as a “closed” or “low flow” stream designated by the Department of Ecology pursuant to RCW 90.22, except for projects outside the watershed of that stream and those areas under intertidal influence, the following mitigation measures shall be required, as applicable:~~
- (i) ~~Public Water. If an existing public water supply, whose source is outside the watershed, is available to a project property within a low flow stream watershed, and where the water provider is willing and able to provide safe and reliable potable water, and where the cost of extension of public water to the project is less than or equal to 150% of the cost of developing an on-site water supply, then the project shall be required to connect to the public water supply as a condition of project approval.~~
 - (ii) ~~Interim Wells. In low flow stream watersheds, within ½ mile of the designated waterway, the source of potable and irrigation water for development may be either a public water system with its source outside of the low flow watershed or, under the following conditions, an interim drilled well. A property may be allowed use of an interim well(s) with the condition that the property shall be subject to mandatory participation in a Local Utility District (LUD) or Special Improvement District that will provide potable water service to the property. The property owner shall sign written agreement with the County agreeing not to protest the LUD or Special Improvement District, and have it recorded on the property title before a County permit or land division is approved. The property owner shall also agree through the above written agreement to connect all water fixtures to this public water system as soon as it is available and to decommission the well(s) in accordance with applicable State and County rules and regulations immediately upon connection to the public system. The interim well shall be limited to 400 gallons per day (gpd) per connection. Projects that can demonstrate compliance with SCC 14.24.350(5)(c) may be exempt from this provision with the exception that a mitigation report referencing the hydrological determination shall be recorded on the plat and/or title.~~
 - (iii) ~~Impervious Surfaces. The total impervious surface of the proposal shall be limited to 5% of the total lot area, unless the proposed development provides mitigation that will collect runoff from the proposed development, will treat that runoff, if necessary to protect groundwater quality and discharge that collected runoff into a groundwater infiltration system on site. If a project is connected to a public water system whose source of water is outside of the watershed and if the project uses~~

- an approved septic system for sewage disposal, the County may approve an increase in the impervious surface limits of this Subsection, if it is determined that the septic system is providing acceptable compensating recharge to the aquifer.
- (iv) ~~Lawn Watering. No lawn watering shall be permitted between June 1st and September 30th, provided if the proposed development connects to an existing public water supply as described in Subsection (i) of this Section, or if the proposed development is drawing water from an aquifer that meets the demonstration standard as specified in SCC 14.24.350(5)(c), then this landscape watering restriction shall not apply.~~
- (v) ~~Public Water Lines. Where economically feasible, the County should encourage extension of new public water lines to serve existing legal lots of record in these areas through a utility improvement district or other shared funding mechanism provided any such extension outside a urban growth area is specifically designed at rural level of service standards (including possible alternative fire flow mitigation) and is conditioned only to serve rural densities.~~
- (vi) ~~Comprehensive Plan. The County shall consider as part of its Comprehensive Plan limitations on the uses and densities within this designated low flow stream corridor to limit new individual wells as necessary to protect base flows.~~
- (b) ~~There shall be no density bonus for CaRD developments where the water source is in a low flow watershed, unless the Applicant has demonstrated that there is no continuity between the water source(s) and the low flow stream per SCC 14.24.350(5)(c).~~
- (c) ~~If the Applicant demonstrates through an appropriate hydrogeologic characterization, as presented in the site assessment report (SCC 14.24.340), that his or her project most probably does not have hydraulic continuity with either a closed or low flow stream, then the permanent water source for new development may be a private well(s) or a public water system with its source within a closed or low flow stream watershed.~~
- (6) ~~Mitigation Plan Elements. For proposals requiring aquifer recharge mitigations, in addition to adhering to any of required mitigations identified above, the Applicant shall develop for approval by the Administrative Official a Mitigation Plan for the proposed development. All mitigation conditions applied to permits shall be based on all known, available, and reasonable methods of prevention, control, and treatment. Compliance with the Mitigation Plan shall be enforceable by the Administrative Official or Health Officer. The Applicant may amend the plan with the approval of the Administrative Official and Health Officer. The Administrative Official and Health Officer may, based on~~

~~performance criteria and/or monitoring results, require additional amendments to the plan. The Mitigation Plan shall contain the project's permit conditions and, as applicable:~~

- ~~(a) — A description of the mitigation measures to be taken, how they will be implemented, and performance criteria;~~
 - ~~(b) — An Environmental Monitoring Plan describing the monitoring program, maintenance, and reporting requirements;~~
 - ~~(c) — A Contingency Plan describing corrective actions to be taken if mitigation proves not to be effective in protecting groundwater resources. This includes corrective actions if monitoring results indicate a chemical release to groundwater that poses a health risk to hydraulically downgradient receptors, or surface drainage controls prove not to protect wells or springs used for potable water. The Health Officer shall have the authority to impose additional required corrective actions where such measures are necessary to protect groundwater resources or human health. Where appropriate contingencies are not feasible and results in an activity posing unacceptable risk to the groundwater resources or human health, the Administrative Official and/or Health Officer shall deny the proposal.~~
 - ~~(d) — Multiple stage (or phased development) must consider the total build out of the project in terms of Critical Aquifer Recharge Areas protection to allow for an assessment of the cumulative impacts of the entire development.~~
 - ~~(e) — Conditions that would precipitate ceasing the project operation altogether.~~
- ~~(7) — Recording of mitigation plan summaries: The Administrative Official and/or Health Officer may require that the Applicant record a County-approved summary of the Mitigation Plan on his/her property title. A copy of the recorded summary shall be provided to the Skagit County Planning and Permit Center. At the request of the property owner, the Administrative Official or Health Officer shall approve removal of any recorded mitigation language that is demonstrated no longer to apply to the subject property. The Applicant for a land division shall have the mitigation plan recorded as part of the plat notes. If the mitigation plan is not recorded as or referenced by a plat note, the Applicant shall record the mitigation plan on the affected property title(s). (Ord. 17938 Atch. F (part), 2000)~~

14.24.360 public notice and review.

~~In addition to the provisions for public notice provided under SCC 14.24.070 of this Chapter, the Administrative Official shall provide official Notice of Decision and make the site assessment report available for public review upon approval of the following projects which have undergone critical areas review pursuant to this Chapter:~~

- (1) ~~All projects occurring in Category I areas, except single family residence or accessory building permits, short subdivisions and short CaRDs;~~
- (2) ~~All activities identified under SCC 14.24.320(2), regardless of location; and~~
- (3) ~~Commercial or industrial projects or subdivisions that have the potential to adversely affect the quality or availability of potable water. (Ord. 17938 Attech. F (part), 2000)~~

14.24.350 Flow-Sensitive Basins.

(1) Except as provided in subsection (2), average-daily groundwater withdrawals for projects initiated after the effective dates indicated below shall be limited in each Flow-Sensitive Basin to the following amounts:

- (a) Skagit River Basin.
 - (i) Flow-Sensitive Basins.

<u>Lower Skagit Flow-Sensitive Basins</u>	<u>Groundwater Withdrawal Limit (gallons per day)</u>
<u>Alder Creek</u>	<u>81,430</u>
<u>Anderson/Parker/Sorenson Creeks</u>	<u>20,034</u>
<u>Careys Creek</u>	<u>11,633</u>
<u>Carpenter/Fisher Creeks</u>	<u>11,633</u>
<u>Childs/Tank Creeks</u>	<u>18,096</u>
<u>Coal Creek</u>	<u>18,742</u>
<u>Cumberland Creek</u>	<u>25,851</u>
<u>Day Creek</u>	<u>131,839</u>
<u>Gilligan Creek</u>	<u>25,851</u>
<u>Hansen Creek</u>	<u>38,130</u>
<u>Jones Creek</u>	<u>67,212</u>
<u>Loretta Creek</u>	<u>11,633</u>
<u>Mannser Creek</u>	<u>15,511</u>
<u>Morgan Creek</u>	<u>13,572</u>
<u>Muddy Creek</u>	<u>28,436</u>
<u>Nookachamps Creek – East Fork</u>	<u>14,218</u>
<u>Nookachamps Creek - Upper</u>	<u>12,279</u>
<u>O’Toole Creek</u>	<u>23,266</u>
<u>Red Cabin Creek</u>	<u>42,653</u>
<u>Salmon/Stevens Creek</u>	<u>5,170</u>
<u>Wiseman Creek</u>	<u>18,095</u>

<u>Upper Skagit Flow-Sensitive Basins</u>	<u>Groundwater Withdrawal Limit (gallons per day)</u>
<u>Aldon Creek</u>	<u>25,851</u>
<u>All Creek</u>	<u>25,851</u>
<u>Bacon Creek</u>	<u>25,851</u>

<u>Upper Skagit Flow-Sensitive Basins</u>	<u>Groundwater Withdrawal Limit (gallons per day)</u>
<u>Barr Creek</u>	<u>25,851</u>
<u>Big Creek</u>	<u>25,851</u>
<u>Boulder Creek</u>	<u>25,851</u>
<u>Boyd Creek</u>	<u>25,851</u>
<u>Clark Creek</u>	<u>25,851</u>
<u>Corkindale Creek</u>	<u>25,851</u>
<u>Diobsud Creek</u>	<u>25,851</u>
<u>Everett Creek</u>	<u>25,851</u>
<u>Finney Creek</u>	<u>25,851</u>
<u>Flume Creek</u>	<u>25,851</u>
<u>Grandy Creek</u>	<u>147,350</u>
<u>Gravel Creek</u>	<u>25,851</u>
<u>Hilt Creek</u>	<u>25,851</u>
<u>Hobbit Creek</u>	<u>25,851</u>
<u>Illabot Creek</u>	<u>25,851</u>
<u>Irene Creek</u>	<u>25,851</u>
<u>Jackman Creek</u>	<u>25,851</u>
<u>Jordan Creek</u>	<u>25,851</u>
<u>Mill Creek</u>	<u>25,851</u>
<u>Miller Creek</u>	<u>25,851</u>
<u>O'Brian Creek</u>	<u>25,851</u>
<u>Olson Creek</u>	<u>25,851</u>
<u>Ossterman Creek</u>	<u>25,851</u>
<u>Prairie Creek</u>	<u>25,851</u>
<u>Pressentin Creek</u>	<u>25,851</u>
<u>Rinker Creek</u>	<u>25,851</u>
<u>Rocky Creek</u>	<u>25,851</u>
<u>Savage Creek</u>	<u>25,851</u>
<u>Sutter Creek</u>	<u>25,851</u>
<u>Tenas Creek</u>	<u>25,851</u>
<u>White Creek</u>	<u>25,851</u>

(ii) Effective Date. Groundwater withdrawals from the Flow-Sensitive Basins listed in (1) (a) (i) that were established after April 14, 2001 will be debited from the respective groundwater withdrawal limits.

(b) Samish River Basin (Interim). The determination of Flow-Sensitive Basins located within the Samish River basin is currently underway as part of the Washington Department of Ecology water resources management rule making process. Until this determination occurs through rule making, there shall be no density bonus for CaRD developments that rely on groundwater as the water source and where the well is located within one-half mile of the Samish River or Friday Creek. This interim measure will remain in effect until the water resources management rule

making process is complete, at which time, if warranted, SCC 14.24.350 (1) (b) will be amended.

(c) Stillaguamish River Basin.

(i) Flow-Sensitive Basins.

<u>Flow-Sensitive Basin</u>	<u>Groundwater Withdrawal Limit (gallons per day)</u>
<u>Stillaguamish River and tributaries</u>	<u>302,400</u>

(ii) Effective Date. Groundwater withdrawals from the Flow-Sensitive Basins listed in (1)(c)(i) that were established after September 26, 2005 will be debited from the respective groundwater withdrawal limits.

(2) The Administrative Official shall report to the Health Officer the number of new residential connections or the estimated amount of consumptive water use for non-residential projects that will be created for each building permit or lot that relies on a groundwater withdrawal in a Flow-Sensitive Basin. Groundwater withdrawals shall not be debited from the groundwater withdrawal limits established in SCC 14.24.350 (1), where:

(a) The proposed groundwater withdrawal is exempt from permitting in RCW 90.44.050; and

(i) The Health Officer, using criteria developed in coordination with the Washington Department of Ecology, determines that the groundwater withdrawal will not adversely impact stream flows deemed critical to salmonids in a Flow-Sensitive Basin; or

(ii) The applicant adopts mitigation measures approved by the Health Officer, using criteria developed in coordination with the Washington Department of Ecology, to prevent the groundwater withdrawal from adversely impacting stream flows deemed critical to salmonids in Flow-Sensitive Basins; or

(b) The proposed groundwater withdrawal is not exempt from permitting in RCW 90.44.050 and the proposed withdrawal for a project is included in a water right permit issued by the Washington Department of Ecology and is covered by a mitigation plan approved by the Washington Department of Ecology; or

(c) The groundwater withdrawal is from an interruptible source and the applicant provides measures to supply adequate water at all times necessary for the project applied for, subject to the approval of the Health Officer; or

- (d) Groundwater use for projects initiated prior to the effective date of the corresponding Flow-Sensitive Basin designated in SCC 14.24.350, by:
- (i) The applicant filing with the Administrative Official a complete application for a building permit pursuant to SCC 15.04 or for approval of a land division pursuant to SCC 14.18 prior to the effective date of the corresponding Flow-Sensitive Basin groundwater withdrawal limit; or
 - (ii) The applicant filing a well log with the Washington Department of Ecology prior to the effective date of the corresponding Flow-Sensitive Basin groundwater withdrawal limit indicating the applicant's intent to rely on a groundwater withdrawal that is exempt from permitting in RCW 90.44.050; or
 - (iii) The Washington Department of Ecology issuing a water right permit or certificate with a priority date that is earlier than the effective date of the respective Flow-Sensitive Basin groundwater withdrawal limit designated in this section.
- (3) In addition to the provisions for public notice provided under SCC 14.06.150 and Notice of Decision under SCC 14.06.200, the Administrative Official shall provide electronic notice to the public, by use of the County's official website or otherwise, of all building permit and short subdivision applications and approvals in Flow-Sensitive Basins.

14.24.360 Flow-Sensitive Basin Water Withdrawal Mitigation

If a project hydrologically is located within a Flow-Sensitive Basin, in addition to conditions imposed by the Health Officer pursuant to SCC 12.48, mitigation measures required in SCC 14.24.340 and groundwater withdrawal mitigation measures required by the Department of Ecology or the Health Officer in SCC 14.24.360, the total impervious surface area of the property(ies) containing the project shall be limited to twenty percent (20%), unless:

- (1) The applicant implements mitigation measures that collect stormwater runoff from the proposed development, will treat that runoff, if necessary to protect groundwater quality, and discharge that collected runoff into a groundwater infiltration system on-site, and the project is located in an area that the Administrative Official or Health Officer determines is suitable for storm water infiltration; or
- (2) The project will be served by a public water system whose source of water hydrologically is outside of a Flow-Sensitive Basin and wastewater will be disposed in an approved on-site wastewater treatment system that the Health Officer or Administrative Official determines will provide adequate compensating recharge to the aquifer for the total amount of impervious surface proposed; or

- (3) The applicant demonstrates through an appropriate hydrogeological characterization, that the placement of the proposed impervious surfaces will not adversely impact stream base flows in the subject tributary basin; or
- (4) The applicant demonstrates that the project is located in an area where groundwater and/or surface water is influenced by tidal fluctuation.

14.24.370 Delineation of Flow-Sensitive Basins.

The Administrative Official shall publish maps delineating the boundaries of Flow-Sensitive Basins, which are hereby incorporated by reference. The Administrative Official shall update maps of Flow-Sensitive Basins as provided in SCC 14.24.050 and WAC 173-503-116.

14.24.400 Geologically Hazardous Area-Areas Designations.

Geologically hazardous areas shall be designated consistent with the definitions provided in WAC 365-190-080(4). These include areas susceptible to the affects of erosion, sliding, earthquake, or other geologic events. They pose a threat to the health and safety of citizens when incompatible residential, commercial, industrial, or infrastructure development is sited in areas of a hazard. Geologic hazards pose a risk to life, property, and resources when steep slopes are destabilized by inappropriate activities and development or when structures or facilities are sited in areas susceptible to natural or human caused geologic events. Some geologic hazards can be reduced or mitigated by engineering, design, or modified construction practices so that risks to health and safety are acceptable. When technology cannot reduce risks to acceptable levels, building and other construction in, above and below geologically hazardous areas should be avoided. Geologically Hazardous Areas include erosion hazards, landslide hazards, mine hazards, volcanic hazards and seismic hazards, and shall be designated consistent with the definitions provided in WAC 365-190-080(4). Geologically Hazardous Areas shall be classified as "known or suspected risk," or "unknown risk." (Ord. 17938 Attch. F (part), 2000)

14.24.410 Geologically Hazardous Areas Known or Suspected Riskinitial project review.

A site visit shall be conducted by the Administrative Official to determine whether: 1) "Geologically Hazardous Areas shall be classified as "known or suspected risk," or "unknown risk". Areas of Known or Suspected Risk" are identifiedindicated in section (1) through (5) below; are or may be present within 200 feet of the project or activity; 2) the proposed project or activity is or may be within a distance from the base of an adjacent landslide hazard area equal to the vertical relief of said hazard area; 3) the proposed activity may result in or contribute to an increase in hazard; and 4) whether the project or hazard areas pose a risk to life, property, or other critical areas on or off the project area sufficient to require a site assessment. Areas of known or suspected risk:

- (1) The following are considered known or suspected Erosion Hazards Indicators:
- (a) Those project aAreas with gradients greater than or equal to 30%. of

- (b) ~~Areas located~~located within the following 200 feet of the Conservation Service map units: delineations #1 Andic Cryochrepts, #3 & 4 Andic Xerochrepts, #13 Birdsvie, #47 & 48 Dystric Xerochrepts, #50 & #51 Dystic Xerorthents, #63 & 65 Guemes, #69 Hoogdal, #90 Lithic Haploxerolls, #91 Marblemount, #99 Mundt and #117 Saxon #150 & 151 Typic Croyorthods or mapped as moderate to severe, severe or very severe erosion hazard or as having severe rill and inter rill erosion hazard as identified in the U.S. Department of Agriculture Natural Resources Conservation Service Soil Survey of Skagit County Area, WA. (1989).
- (b) ~~Those project areas that fall within any soil sloping greater than or equal to 30%.~~
- (c) ~~Those project a~~Areas that fall on eCoastal beaches or marine bluffs.
- (d) ~~The project area falls within a~~Areas designated in the Department of Ecology, Coastal Zone Atlas, Washington, Volume Two Skagit County (1978) as U (Unstable), UB (Unstable Bluff), URS (Unstable Recent Slide), or UOS (Unstable Old Slide);
- (e) ~~Those project areas that may be considered to have an erosion hazard as a result of rapid stream incision or stream bank erosion.~~
- (e) Areas susceptible to rapid stream incision and stream bank erosion.
- (2) Landslide hazards areas are areas potentially subject to landslides based on a combination of geologic, topographic and hydrologic factors. The following are known or suspected Landslide Hazards Indicators.
- (a) ~~The project area falls within or 200 feet from a~~Areas designated in the Department of Ecology, Coastal Zone Atlas, Washington, Volume Two, Skagit County (1978) as U (Unstable), UB (Unstable Bluff), URS (Unstable Recent Slide), or UOS (Unstable Old Slide);
- (b) ~~The project area falls within or 200 feet from s~~Slopes having the following characteristics: Gradients of 15% or greater; intersecting geologic contacts with permeable sediments overlying low permeability sediment or bedrock and springs or groundwater seepage are present;
- (i) That intersect geologic contacts with permeable sediments overlying low permeability sediment or bedrock and springs or groundwater seepage are present;
or

- (ii) That are parallel or subparallel to planes of weakness (such as bedding planes, joint systems, and fault planes) in subsurface materials;
- ~~(c) The project area falls within or 200 feet from any area having a Slope of 40% slope or steeper and with a vertical relief of 10 feet or more;~~
- ~~(d) The project area falls within or 200 feet from any a~~Areas of previous historic failure such as areas designated as quaternary earth slumps, earthflows, mudflows, lahars, debris flows, rock slides, landslides or other slope failures as observed in the field or as indicated on maps or in technical reports published by the U.S. Geological Survey, such as topographic or geologic maps, or the Geology and Earth Resources Division of the Washington Department of Natural Resources, or other documents authorized by government agencies;
- ~~(e) The project area falls within or 200 feet from any areas p~~Potentially unstable as a result of areas resulting from rapid stream incision, stream bank erosion, and undercutting by wave action shall be addressed as a flood hazard consistent with the County Flood Damage Prevention Ordinance, SCC 14.34 (Flood Damage);
- (f) Coastal bluffs;
- ~~(f) Areas that have shown movement during the Holocene epoch or which are underlain or covered by wastage debris of that epoch;~~
- ~~(g) The project area falls within or 200 feet from any slopes that are parallel or subparallel to planes of weakness (such as bedding planes, joint systems, and fault planes) in subsurface materials;~~
- ~~(hg) The project area falls within or 200 feet from any s~~Slopes with a gradient greater than 80% and subject to rock fall; during seismic shaking;
- ~~(ih) The project area falls within or 200 feet from any a~~Areas that show evidence of or are at risk from snow avalanches;
- (i) Areas designated on the Skagit County Alluvial Fan Study Orthophoto Maps as alluvial fans or as identified by the a~~Administrative~~ ~~Official~~ during site inspection;
- ~~(j) or a~~Areas located in a narrow canyon potentially subject to inundation by debris flows or catastrophic flooding;
- (k) Those areas delineated by the US Department of Agriculture's Natural Resources Conservation Service Soil Survey of Skagit

County as “severe” (Table 9) limitation for building development.

- (3) ~~Seismic Hazards. Seismic hazard areas shall include~~ areas that are subject to severe risk of damage as a result of earthquake induced ground shaking, slope failure, settlement, soil liquefaction or surface faulting. The following are known or suspected seismic hazards:

- (a) ~~Areas located within a HIGH-high liquefaction susceptibility as indicated on the Liquefaction Susceptibility Map of Skagit County issued by Washington Department of Natural Resources dated September 3, 2004 or as amended thereafter. A site assessment is not required for high liquefaction hazard areas for single family residence proposals unless other criteria provided in this section apply. The project includes structures (as defined in the currently adopted Building Code of Skagit County) proposed to be located in any of the areas described in items (i) or (ii) of this Subsection or located in areas to have a potential for soil liquefaction and soil strength loss during ground shaking as identified on the U.S. Geologic Survey Relative Slope Stability Map of the Port Townsend Quadrangle, Puget Sound Region, Washington (1985), or as identified in the field. A geologic hazard site assessment is not required for soil liquefaction and soil strength loss resulting from seismic activity unless other criteria provided in this Section apply. The Building Official shall require evaluation using the provisions set forth in the adopted building code.~~
- (b) ~~Areas located within one quarter mile of an active~~The structures or critical facilities are proposed to be located on a Holocene fault line. ~~(No critical facilities shall be located on a Holocene fault line as indicated on investigative maps or described in studies by the United States Geologic Survey, Geology and Earth Resources Division of the Washington Department of Natural Resources, or other documents authorized by government agencies, or as identified during site inspection in the field.) All developments on a Holocene fault line shall require a disclosure statement indicating the property is located on an active fault and may be geologically hazardous.~~
- (c) Those known or suspected erosion and landslide hazards referenced in 14.24.410 (1) & (2) above.
- (d) Tsunami and seiche hazard areas include coastal areas and lake shoreline areas susceptible to flooding, inundation, debris impact, and/or mass wasting as the result of coastal or inland wave action generated by seismic events or other geologic events. Suspect tsunami hazard areas are indicated on the Tsunami Hazard Map of the Anacortes-Whidbey Island Area, Washington: Modeled Tsunami Inundation from a Cascadia Subduction Zone Earthquake. A site assessment is not required

for tsunami and seiche hazard areas but are addressed through the frequently flooded section of this Chapter.

- (4) Volcanic hazards areas are those areas subject to pyroclastic flows, lava flows, debris avalanche, and inundation by debris flows, mudflows, lahars or related flooding resulting from volcanic activity. Suspect Volcanic hazards. The project include those areas indicated in the United States Geologic Survey Open-File Report 95-499 as they is located in a volcanic hazard zone for Glacier Peak, Washington (Open-File Report 95-499); or in the United States Geologic Survey Open-File Report 95-498 as the a volcanic hazard area of Mount Baker, Washington (Open File Report 95-498). A site assessment is not required for volcanic hazard areas unless other criteria provided in this Section apply.
- (5) Other Geologic Hazard Indicators:
- (a) The project area falls within or 200 feet from an alluvial fan as designated on the Skagit County Alluvial Fan Study Orthophoto Maps;
- (b) The project area falls within or 200 feet from a mine hazard areas as designated on the Department of Natural Resources Map: Coal Measures of Skagit County (1924) or within 200 feet of any other current or historic mine operations determined to be a suspect or known geologically hazardous area by the Administrative Official determined to be geologic hazards as described by the Title and Purpose of the Critical Areas Ordinance 14.24.020(4) Geologically Hazardous Areas;
- (c) Areas of Unknown Geologic Hazards. As part of any development application where no current information is available to confirm that the items identified in this Section are present on the project area, the critical areas review required by SCC 14.24.060 of this Chapter will provide a description of the known and visible site features and be used by the Administrative Official in evaluating whether a geologically hazardous area site assessment is required pursuant to this Section. (Ord. 17938 Attech. F (part), 2000)

14.24.420 Geologically Hazardous Areas Site Assessment Requirements.

- (1) County Site Visit Determination. The Administrative Official shall make a determination using the following progressive order:
- (a) No Site Assessment. Where the Administrative Official determines that the project or activity area has no potential for impacting adjacent ownership and property, other types of critical areas, public property (such as roads and other facilities) or living quarters of any kind, including any existing or proposed offsite, the Administrative Official shall not require additional site assessments prior to approval under the provisions of this Chapter.

- (b) ~~Site Assessment Required. If the Administrative Official determines during the site visit described in Section 14.24.410 that the proposed development activity falls within 200 feet of an "Area of Known or Suspected Risk" and the geologic condition may pose a risk to life and property on or off the project area, then a geologically hazardous area site assessment of the project area by a qualified professional as described in Subsection (2) below shall be required as part of the complete development permit application.~~
- (2) ~~Geologically Hazardous Area Site Assessment. When required by the Administrative Official, a site assessment report shall be prepared by a qualified professional. Portions of the report relating to recommended design or mitigation shall be prepared under supervision of a licensed professional engineer. A qualified professional shall mean an engineer, licensed in the State of Washington, with training and experience analyzing geologic, hydrologic, and groundwater flow systems in Washington State; or by a geologist who earns his or her livelihood from the field of geology and/or geotechnical analysis, with training and experience analyzing geologic, hydrologic and groundwater flow systems in Washington State, who has received a relevant degree from an accredited 4 year institution of higher education.~~
- (1) If the Administrative Official determines that the proposed development activity is located within 200 feet of an area of known or suspected risk as indicated in section 14.24.410(1), or within a distance from the base of a landslide hazard area equal to the vertical relief, and that the geologic condition may pose a risk to life and property, or other critical areas on and off the project area, a geologic hazard site assessment as indicated in 14.24.420 shall be required.
- (2) ~~The Geologically Hazardous Area Site Assessment report shall classify the type of geologic hazard(s) in accordance with Sections 14.24.400 and 14.24.410. In addition to the requirements of 14.24.080, The site assessment report shall include the following as appropriate:~~
- (a) ~~A site plan must be prepared in accordance with the requirements of the Planning and Permit Center. The A site plan shall depict/depicting the height of slope, slope gradient and cross section indicating the stratigraphy of the site. The site plan shall indicate the location of all existing structures, and proposed structures and any significant known geologic features on the subject site. The site plan shall also include the location of such as outcrops, springs, seeps, ponds, streams or other waterbodies; or other surface expressions of groundwater. The site plan shall also depict any evidence of surface or stormwater runoff and~~
- (b) ~~A detailed description of the project, its relationship to potential geologic hazard(s), and its potential impact upon the hazard area(s), the subject property and adjacent properties. The description shall make a determination if a geologically~~

~~hazardous area(s), as described in Section 14.24.020(4), is present on the subject site. The narrative shall include a full discussion of the geologic factors and conditions on the subject site resulting in the qualified professionals conclusions;~~

- (~~e~~b) An assessment of the geologic characteristics and engineering properties of the soils, sediments, and/or rock of the subject property and potentially affected adjacent properties. Soils analysis shall be ~~accomplished~~ described in accordance with the Unified Soil Classification System; and
- (~~d~~c) A description of load intensity, ~~including~~ surface and groundwater conditions, public and private sewage disposal systems, fills and excavations and all structural development; and
- (~~e~~d) A description of ~~An assessment describing~~ the extent and type of vegetative cover ~~to include~~ tree attitude; and
- (~~f~~e) For Potential Coastal Bluff Geologic Hazards: Estimate of the bluff retreat rate, which recognizes and reflects potential catastrophic events such as seismic activity or 100-year storm event; and
- (~~g~~f) For Potential Landslide Hazards: Estimate slope stability and the effect construction and placement of structures will have on the slope over the estimated life of the structure. Quantitative analysis of slope stability or slope stability modeling may be required by the Administrative Official; and
- (~~h~~g) Additional site assessment ~~standards~~ elements may be required by the Administrative Official.

(~~3~~) ~~Site Assessment Conclusions.~~

(~~a~~) ~~Where the qualified professional determines that a geologically hazardous condition is not present on the subject site and/or will not occur as a result of the proposed project, will have no potential for impacting adjacent ownership and property, other types of critical areas, public property (such as roads and other facilities) or living quarters of any kind, including any existing or proposed off site, the Administrative Official shall not require additional site assessments prior to approval under the provisions of this Chapter. The qualified professional shall be required to certify that a geologic hazard is not present on the subject parcel as described in Section 14.24.020(4).~~

(~~3~~)(b) Properties containing geologically hazardous conditions identified by the Administrative Official and the qualified professional ~~containing~~ geologically hazardous conditions shall require a geologically hazardous area mitigation plan. ~~Critical facilities as defined under Section 14.04~~

~~shall not be sited within designated geologically hazardous areas (Exception: volcanic hazard areas). No residential structures shall be located in Geologically Hazardous Areas or their buffers that cannot be fully mitigated. (Ord. 17938 Attch. F (part), 2000)~~

14.24.430 Geologically Hazardous Area Mitigation Standards.

The mitigation plan shall be prepared by a ~~professional engineer or geologist under supervision of a professional engineer~~qualified professional and include a discussion on how the project has been designed to avoid and minimize the impacts discussed under ~~item (2)~~14.24.420. The plan shall also make a recommendation for the minimum ~~building setback from any bluff or slope edge and/or other~~the geologic hazard shall be based upon the geotechnical analysis under items (2) and (3) above required. Mitigation plans shall include the location and methods of drainage, locations and methods of erosion control, a vegetation management and/or restoration plan and/or other means for maintaining long-term stability of geologic hazards. The plan shall also address the potential impact of mitigation on the hazard area, the subject property and affected adjacent properties. The mitigation plan must be approved by the Administrative Official and be implemented as a condition of project approval.

~~Within designated geologic hazards, mitigation plans shall address the appropriate items listed below as required by the site assessment. One or more of the following mitigation standards, as required by the Administrative Official, shall be included as components of a mitigation plan pursuant to the requirements of Section 14.24.420, (Site Assessment Report). Other m~~Mitigation standards, other than those listed below, may be required by the Administrative Official depending on the geologic hazard and the site conditions.

(1) Mitigation Standards.

- (a) A temporary erosion and sedimentation control plan prepared in accordance with the requirements of SCC 14.32 (Drainage Ordinance)~~Skagit County Drainage Ordinance (SCC 14.32)~~, as amended.
- (b) A drainage plan for the collection, transport, treatment, discharge and/or recycle of water in accordance with the requirements of ~~the Skagit County Drainage Ordinance (SCC 14.32)~~, as amended. Surface drainage shall not be directed across the face of a landslide hazard (including marine bluffs or ravines). If drainage must be discharged from the hazard area into adjacent waters, it shall be collected above the hazard and directed to the water by tight line drain and provided with an energy dissipating device at the point of discharge.
- (c) All proposals involving excavations and/or placement of fills shall be subject to structural review under the appropriate provisions of the International Building Code (IBC) as amended by Skagit County~~as found in the currently adopted Building Code of Skagit County~~.

- (d) Critical Facilities as defined under ~~Chapter SCC 14.04~~ shall not be sited within designated geologically hazardous areas with the exception of volcanic hazard areas. No critical facilities shall be located within one quarter mile of an active fault. (~~Exception: volcanic hazard areas.~~)
- (e) ~~Surface drainage shall not be directed across the face of a landslide hazard (including marine bluffs or ravines). If drainage must be discharged from the hazard area into adjacent waters, it shall be collected above the hazard and directed to the water by tight line drain and provided with an energy dissipating device at the point of discharge.~~
- (fe) All infiltration systems such as, stormwater detention and retention facilities, and curtain drains utilizing buried pipe or French drain, are prohibited in geologically hazardous areas and their buffers unless ~~a the mitigation plan site assessment report indicates such facilities or systems will not affect slope stability and the systems are designed by a licensed civil engineer. The engineer shall also certify that the system and/or facilities are installed as designed.~~
- (gf) ~~Vegetation Removal and Replanting. Existing vegetation shall be maintained in landslide and erosion hazard areas and associated buffers. Removal of vegetation in landslide hazard, erosion hazard and coastal bluff hazard areas shall be minimized. Any replanting that occurs shall consist of native trees, shrubs, and ground cover that is compatible with the existing surrounding native vegetation, meets the objectives of erosion prevention and site stabilization, and does not require permanent irrigation for long-term survival. Normal non-destructive pruning and trimming of vegetation for maintenance purposes; or thinning of limbs of individual trees to provide a view corridor, shall not be subject to these requirements.~~
- (hg) A minimum buffer ~~with a~~ width of 30 feet shall be established from the top, toe and all edges of all landslide ~~hazardous and~~ erosion hazard areas. For landslide and erosion hazard areas with a vertical relief greater than 50 feet, the minimum buffer shall be 50 feet. The buffer may be increased by the Administrative Official for development adjacent to a marine bluff or ravine which is designated as Unstable in the Coastal Zone Atlas, Washington, Volume Two Skagit County (1978) or where the Administrative Official determines a larger buffer is necessary to prevent risk of damage to existing and proposed development. ~~Existing native vegetation shall be maintained in accordance with mitigation recommendations within the buffer area. The buffer may be reduced to a minimum of 10 feet when an applicant demonstrates to the Administrative Official that the reduction will adequately protect the proposed development, adjacent developments and uses and the subject critical area. The~~

buffer may be increased by the Administrative Official for development adjacent to a marine bluff or ravine which is designated as unstable on the Coastal Zone Atlas, Washington, Volume Two Skagit County (1978) or where the Administrative Official determines a larger buffer is necessary to prevent risk of damage to proposed and existing development (as in the case where the area potentially impacted by a landslide exceeds 30 ~~50~~ feet). Normal non-destructive pruning and trimming of vegetation for maintenance purposes; or thinning of limbs of individual trees to provide a view corridor, shall not be subject to these buffer requirements.

- (ih) ~~Seismic Hazard Areas.~~ Structural development proposals within seismic hazard areas shall meet all applicable provisions of the IBC as amended Building Code as adopted by Skagit County. The Administrative Official shall evaluate documentation submitted pursuant to ~~Section SCC 14.24.420(2) (Site Assessment Report)~~ and condition permit approvals to minimize the risk on both the subject property and affected adjacent properties. All conditions ~~on approvals~~ shall be based on known, available, and reasonable methods of prevention, control and treatment. Evaluation of geotechnical reports may also constitute grounds for denial of the proposal.
- i) No residential structures shall be located in Geologic Hazard Areas or their buffers that cannot be fully mitigated.
- (2) Landslide or Erosion Hazard Alterations of the Buffer Reduction and/or geologically hazardous area. Buffers of landslide or erosion hazard areas may be reduced to a minimum of ten feet Alterations of the buffer and/or geologically hazardous area may occur for development meeting all of the following criteria:
- (a) No reasonable alternative to buffer reduction exists; and
- (b) A site assessment ~~report~~ is submitted and certifies that:
- (i) There is a minimal hazard in the vicinity of the proposed development as proven by evidence of no landslide activity in the past in the vicinity of the proposed development and a qualitative analysis of slope stability indicates no significant risk to the development proposal and adjacent properties; or the geologically hazardous area can be modified or the development proposal can be designed so that the hazard is eliminated or mitigated so that the site is as safe as a site without a geologically hazardous area; and
- (ii) A quantitative slope stability analysis indicates no significant risk to the development proposal and adjacent properties; or the geologically hazardous area can be

modified; or the development proposal can be designed so that the hazard is eliminated. The quantitative analysis shall include the minimum setback allowed for development as indicated by a slope stability model with respect to a minimum factor of safety of 1.5 for static conditions, 1.25 for seismic conditions, or 10 feet whichever results in the greater setback. The elements of the quantitative site assessment shall be determined by the Administrative Official and may include one or more of the following:

- A) Subsurface exploration to include at least one boring with sample collection for laboratory analysis.
- B) Laboratory analysis shall assess the soil characteristics and include sieve analysis, moisture, angle of internal friction, and cohesion.
- C) Utilizing the information from the subsurface exploration and laboratory analysis, the quantitative site assessment shall include slope stability modeling with factor of safety analysis. The analysis shall indicate the factor of safety within 50 feet of the top and toe of geologic hazards; and

- (~~iii~~) The development will not significantly increase surface water discharge or sedimentation to adjacent properties beyond pre-development conditions; and
- (~~iiiv~~) The development will not decrease slope stability on adjacent properties; and
- (~~ivv~~) Such alterations will not adversely impact other critical areas.

(3) ~~Non-Compliance and Failed Mitigation Plans. Mitigation plans which do not fulfill the performance requirement based on the site assessment/geotechnical report findings or otherwise fail to meet the intent of this Chapter shall be revised and the subject development brought into compliance with the revised mitigation plan.~~

- (a) ~~Projects found to be in non-compliance with the mitigation conditions issued as part of the development approval are subject to enforcement actions necessary to bring the development into compliance with this Chapter.~~
- (b) ~~Mitigation plans which do not fulfill the performance required based on the site assessment/geotechnical report findings or otherwise fail to meet the intent of this Chapter shall be revised~~

~~and the subject development brought into compliance with the revised mitigation plan.~~

- (4) ~~Mitigation Plan-Certification Verification.~~ Upon completion of the project, a qualified professional shall ~~certify~~ verify that the mitigation plan has been properly implemented. The ~~certification-verification~~ shall be required prior to final approval of the project by the Administrative Official. (Ord. 17938 Attch. F (part), 2000)

~~14.24.440 Public review and record.~~

~~In addition to the provisions for public notice provided under SCC 14.24.070 of this Chapter, the Administrative Official shall provide official Notice of Decision and make the site assessment report available for public review upon approval of any project requiring a Geologically Hazardous Area site assessment pursuant to SCC 14.24.420(2) and shall maintain a public record of all materials pertinent to approval decisions. (Ord. 17938 Attch. F (part), 2000)~~

14.24.500 Fish and Wildlife Habitat Conservation Area Designations.

- (1) Fish and wildlife habitat conservation areas (HCAs) are listed in WAC 365-190-080(5) and are designated as follows:~~Fish and Wildlife Habitat Conservation Areas (HCA) shall be designated and classified as provided for in the definition Section of this Chapter. The map and species references indicated are intended to serve only as a guide during development review. In all cases, actual presence or absence for the listed species or habitat shall prevail.~~
- (a) areas with which endangered, threatened, and sensitive species have a primary association;
 - (b) habitats and species of local importance that have been designated by the County (SCC 14.24.500(4));
 - (c) all public and private tidelands suitable for shellfish harvest;
 - (d) kelp and eelgrass beds, herring and smelt spawning areas;
 - (e) naturally occurring ponds under 20 acres with submerged aquatic beds that provide fish or wildlife habitat;
 - (f) waters of the State as defined by WAC 222-16-030;
 - (g) lakes, ponds, streams, and rivers planted with game fish by a governmental or tribal entity;
 - (h) areas with which anadromous fish species have a primary association;
 - (i) State Natural Area Preserves and Natural Resource Conservation Areas;
 - (j) other aquatic resource areas;

- (k) State Priority Habitats and Areas Associated with State Priority Species as defined in WAC 365-190-080; and
- (l) Areas of Rare Plant Species and High Quality Ecosystems as identified by the Washington State Department of Natural Resources through the Natural Heritage Program in RCW 79.70.
- (2) In addition to the HCAs identified in Subsection (1), additional ~~species and habitats and species~~ of local importance may be designated by the Administrative Official based on declining populations, sensitivity to habitat manipulation or special value including but not limited to commercial, game or public appeal.
- (3) In order to nominate an area or a species to the category of Habitats and Species of Local Importance, an individual or organization must:
- (a) Demonstrate a need for special consideration based on:
- (i) Declining population,
- (ii) Sensitivity to habitat manipulation, or
- (iii) Commercial or game value or other special value, such as public appeal; and
- (b) Propose relevant management strategies considered effective and within the scope of this Chapter; and
- (c) Provide species habitat location(s) on a map (scale 1:24,000). Submitted proposals will be reviewed by the Administrative Official and forwarded to the Departments of Fish and Wildlife, Natural Resources, and/or other local and State agencies or experts for comments and recommendations regarding accuracy of data and effectiveness of proposed management strategies.
- Skagit County will hold a public hearing for proposals found to be complete, accurate, potentially effective and within the scope of this Chapter. Approved nominations will become designated “Habitats/Species of Local Importance” and will be subject to the provisions of this Chapter.
- (4) The following species and habitats have been designated on a site-specific basis according to the official Habitats and Species ~~and Habitats~~ of Local ~~Significance~~ Importance Map.
- (a) Great Blue Heron nest sites;
- (b) Vauxs Swifts Communal Roosts;
- (c) Pileated Woodpecker nest sites;
- (d) Osprey nest sites;

- (e) Townsend Big-eared Bat communal roosts;
- (f) Cavity Nesting Ducks breeding areas;
- (g) Trumpeter Swan concentrations;
- (h) Harlequin Duck breeding areas;
- (i) Waterfowl concentrations. (Ord. 17938 Atch. F (part), 2000)

14.24.510 Fish and Wildlife Habitat Conservation Area Water Type Classification.

Waters types shall be classified according to WAC 222-16-030. Type S streams include shorelines of the state and have flows averaging twenty (20) or more cubic feet per second; Type F streams are those that are not Type S but still provide fish habitat; and Type N streams do not have fish habitat and are either perennial (Np) or seasonal (Ns). All streams are those areas where surface waters flow sufficiently to produce a defined channel or bed as indicated by hydraulically sorted sediments or the removal of vegetative litter or loosely rooted vegetation by the action of moving water. Ns Waters must be physically connected by an above-ground channel system to Type S, F, or Np Waters.

14.24.510 initial project review.

- ~~(1) — A site visit shall be conducted by the Administrative Official to determine whether HCAs identified on a critical area checklist or on available map resources or whether HCAs not previously identified are present within 200 feet of the project or activity site.~~
- ~~(2) — Habitat Conservation Areas are designated by definition in SCC 14.04 and are referenced as follows:
 - ~~(a) — An area with which anadromous fish, endangered, threatened or sensitive species have a primary association and/or their habitat such as those designated and mapped by the Washington State Department of Fish and Wildlife, Priority Habitats and Species Program.~~
 - ~~(b) — A water of the State as defined under WAC 222 16 030.~~
 - ~~(c) — Any public or private tidelands available for shellfish harvest, kelp or eelgrass beds, herring or smelt spawning areas such as those designated in the Priority Habitats and Species Map of Skagit County. For commercial and recreational shellfish areas, this includes but may not be limited to those areas identified in the Lower Skagit River Basin Water Quality Study (November 1993), the Padilla Bay/Bay View Watershed Nonpoint Action Plan (May 1995) and the Samish Bay Watershed Nonpoint Action Plan and Final Closure Response Strategy (December 1995).~~~~

- (d) ~~A Critical Biological Area as designated and mapped by the Department of Ecology Coastal Zone Atlas dated June 1978 and/or the maps.~~
 - (e) ~~Designated species and habitats of local importance pursuant to SCC 14.24.500.~~
 - (f) ~~Naturally occurring ponds under 20 acres and their submerged aquatic beds that provide fish or wildlife habitat.~~
 - (g) ~~Lakes, ponds, streams, and rivers planted with game fish by a government or Tribal entity;~~
 - (h) ~~Areas with which anadromous fish species have a primary association; and~~
 - (i) ~~State Natural Area Preserves and Natural Resource Conservation Areas.~~
- (3) ~~If the Administrative Official determines through the site visit described in Section (1) above that a Fish and Wildlife Habitat Conservation Area (HCA) as defined by SCC 14.04 may be present within 200 feet of the proposed project or activity area, then a site assessment/habitat management plan as described in SCC 14.24.520 below shall be required as part of the complete application. (Ord. 17938 Attech. F (part), 2000)~~

14.24.520 Fish and Wildlife Habitat Conservation Area Site Assessment Requirements.

~~Site Assessment/Habitat Management Plans shall be prepared by a qualified fish and wildlife biologist with experience assessing the relevant species and habitats and include at a minimum. Any project within 200 feet of fish and wildlife habitat conservation area requires a fish and wildlife HCA site assessment. In addition to the requirements of 14.24.080, the following shall be included in the site assessment: requirements:~~

- (1) ~~Functions and values analysis which includes but is not limited to a discussion of water quality/quantity and fish and wildlife habitat; and~~
- (2) ~~An analysis of the riparian buffer areas above the ordinary high water mark including:~~
 - (a) ~~Recruitment of large woody debris (LWD) to the stream.~~
 - (b) ~~Shade.~~
 - (c) ~~Bank Integrity (Root Reinforcement).~~
 - (d) ~~Runoff Filtration.~~
 - (e) ~~Wildlife Habitat.~~

- (3) Bald eagle habitats shall be protected pursuant to the Washington State Bald Eagle Protection Rules (WAC 232-12-292), as revised, a cooperative Habitat Management Plan shall be developed in coordination with the Department of Fish and Wildlife whenever activities that alter habitat are proposed near a verified nest territory or communal roost.
- (4) All other fish and wildlife habitat conservation areas, including Habitats and Species of Local Importance, shall be protected on a case by case basis by means of a habitat management plan based on the Washington State Priority Habitat and Species (PHS) program, as set forth in SCC 14.24.080 and 14.24.520.
- ~~(1) Site Plan prepared in accordance with the requirements of the Planning and Permit Center indicating all Fish and Wildlife Habitat Conservation Areas falling within 200 feet of the subject property. This site plan may be prepared by the Applicant subject to review by the qualified fish and wildlife biologist;~~
- ~~(2) Project narrative describing the proposal including, but not limited to, associated grading and filling, structures, utilities, adjacent land uses, description of vegetation both within and adjacent to the habitat conservation area, and when deemed necessary by the Administrative Officer, surface and subsurface hydrologic analysis;~~
- ~~(3) Impact analysis identifying and documenting the presence of all habitat conservation areas and discussing the project's affects on the Fish and Wildlife Habitat Conservation Areas;~~
- ~~(4) Regulatory analysis including a discussion of any Federal, State, Tribal, and/or local requirements or special management recommendations which have been developed for species and/or habitats located on the site;~~
- ~~(5) Mitigation report including a discussion of proposed measures of mitigating adverse impacts of the project and an evaluation of their potential effectiveness. Measures may include but are not limited to: establishment of buffer zones, preservation of critically important plants, and trees, limitation of access to habitat areas, seasonal restrictions of construction activities, establishment of a timetable for periodic review of the plan and/or establishment of performance or maintenance bonds;~~
- ~~(6) Management and maintenance practices including a discussion of ongoing maintenance practices that will assure protection of all fish and wildlife habitat conservation areas onsite after the project has been completed. This Section should include a discussion of proposed monitoring criteria, methods and schedule.~~
- ~~(7) Approval of any activity that can adversely affect fish and wildlife habitat conservation areas shall conform to the requirements set forth in SCC 14.24.170(1).-(Ord. 17938 Attch. F (part), 2000)~~

14.24.530 Fish and Wildlife Habitat Conservation Area ~~mitigation~~Protection Standards.

~~Fish and wildlife habitat conservation areas shall be protected in accordance with Skagit County's determination of appropriate conditions considering the site-specific recommendations from agencies with jurisdictions over the specific area, which may include but not be limited to the Washington State Department of Fish and Wildlife, Department of Ecology, Federally recognized Indian Tribes located within Skagit County, WDFW Management Recommendations for Washington Priority Habitats and Species, and site-specific information supplied by the Applicant.~~

~~Skagit County Planning and Permit Center shall review development proposals for potential impacts to fish and wildlife habitat conservation areas. The determination of potential impacts shall be dictated by site conditions and made by the Administrative Official in consultation with the Washington State Departments of Ecology, Fish and Wildlife and Natural Resources and Federally recognized Indian Tribes located in Skagit County. If it is determined that a proposed project may have an adverse effect on a Fish and Wildlife Habitat Conservation Area, the applicant shall implement a Habitat Management Plan including mitigation measures in conformity with the performance standards outlined below.~~

- ~~(1) Riparian Performance Standards. Riparian buffer areas shall be established from the ordinary high water mark. The intent of riparian buffers is to protect 5 basic riparian forest functions that influence in-stream and near-stream habitat quality. These are:
 - ~~(a) Recruitment of large woody debris (LWD) to the stream: LWD recruitment creates habitat structures necessary to maintain salmon/trout productive capacity and species diversity.~~
 - ~~(b) Shade. Shading by the forest canopy maintains cooler water temperatures and influences the availability of oxygen for salmon/trout.~~
 - ~~(c) Bank Integrity (Root Reinforcement). Bank integrity helps maintain habitat quality and water quality by reducing bank erosion and creating habitat structure and instream hiding cover for salmon and trout.~~
 - ~~(d) Runoff Filtration. Filtration of nutrients and sediments in runoff (surface and shallow subsurface flows) helps maintain water quality.~~
 - ~~(e) Wildlife Habitat. Functional wildlife habitat for riparian-dependent species is based on sufficient amounts of riparian vegetation to provide protection for nesting and feeding.~~~~
- ~~(2) Standard Riparian Buffers. Riparian buffer areas shall be measured horizontally in a landward direction from the ordinary high water mark. Where lands adjacent to a riparian area display a continuous slope of 25% or greater, the buffer shall include such sloping areas. Where the~~

horizontal distance of the sloping area is greater than the required standard buffer, the buffer shall be extended to a point 25 feet beyond the top of the bank of the sloping area. Riparian areas do not extend beyond the toe of the slope on the landward side of existing dikes or levees within established Dike Districts along the Skagit and Samish Rivers. Riparian areas have the following standard buffer requirements-(Note: riparian areas do not extend beyond the toe of the slope on the landward side of existing dikes or levees. See also SCC 14.24.100 for list of activities allowed within critical areas, including riparian areas.):

Water Type	Riparian Buffer
Type 1 and 2	200 feet
Type 3	100 feet
Type 4 and 5	50 feet

DNR Water Type	Riparian Buffer
<u>S</u>	<u>200 feet</u>
<u>F > 5 feet wide*</u>	<u>150 feet</u>
<u>F ≤ 5 feet wide*</u>	<u>100 feet</u>
<u>Np</u>	<u>50 feet</u>
<u>Ns</u>	<u>50 feet</u>

*Bankfull width of the defined channel (WAC 222-16-010).

- (2) Lake and marine shorelines standard buffers will be determined by the Shoreline Area Designation as defined by the Shoreline Master Program (SCC 14.26). Shoreline areas have the following standard buffer requirements: In areas adjacent to lakes having Urban or Rural Residential designations under the Skagit County Shorelines Master Program, the standard riparian buffer shall be consistent with the standard setback associated with that Shorelines designation.

Shoreline Area Designations	Shoreline Buffer
<u>Natural</u>	<u>200 feet</u>
<u>Conservancy</u>	<u>150 feet</u>
<u>Rural</u>	<u>100 feet</u>
<u>Rural Residential</u>	<u>100 feet</u>
<u>Urban</u>	<u>140 feet</u>

- (3) Where a buffer has been previously established after June 13, 1996, through a County development review and is permanently recorded on title or placed within a separate tract or easement, the buffer shall be as previously established. Additional review may be requested by the applicant or required by the Administrative Official to determine whether or not conditions onsite have changed resulting in the previously established buffer no longer being applicable.

- (4) Where a legally established and constructed public roadway transects a riparian buffer, the Department may approve a modification of the standard buffer width to the edge of the roadway provided:

- (a) The isolated part of the buffer does not provide additional

protection of the riparian area; and

- (b) The isolated part of the buffer provides insignificant biological, geological or hydrological buffer functions relating to the riparian area; and
- (c) If the resulting buffer distance is less than 50% of the standard buffer for the applicable stream type or shoreline designation, no further reduction shall be allowed.

~~Once buffers are established, they shall not be altered except as allowed below. Riparian buffers not currently meeting the minimum standards shall be restored; provided, that such restoration does not conflict with other provisions of this Chapter.~~

~~In implementing buffer widths other than the standard riparian buffers identified above, the Administrative Official shall provide opportunity for review and comment from a Technical Interdisciplinary Team or from appropriate Federal, State or Tribal natural resource agencies to ensure the use of best available science. These comments shall be included in the public record along with the basis and rationale for requirement or approval of any such non-standard buffers.~~

14.24.540 Fish and Wildlife Habitat Conservation Area Performance Based Buffer Alternatives and Mitigation Standards.

- (a) ~~Increasing Buffer Widths~~ Increasing. The Administrative Official ~~has the authority to increase~~ may require the standard buffer widths to be increased on a case-by-case basis, or to establish nonriparian buffers widths, when such buffers are necessary for one of the following:
- (a) ~~To protect priority fish or wildlife (e.g., great blue heron nesting colonies, osprey or cavity nesting ducks) using the HCA. This determination shall be supported by appropriate documentation from the Departments of Ecology and Fish and Wildlife, showing that the increased buffer width is reasonably related to the protection of the fish and/or wildlife using the HCA.~~
- (b) To provide connectivity when a Type S or F waterbody is located within 300 feet of:
- (i) Another Type S or F waterbody; or
- (ii) A fish and wildlife HCA; or
- (iii) A Category I, II or III wetland;

The increased buffer distance may be limited to those areas that provide connectivity or are necessary to protect habitat functions. Increasing the buffer widths will only be done where necessary to preserve the structure, function and value of the habitat.

- (b) ~~Decreasing Buffer Widths. Decreasing standard buffers will be allowed only if the Applicant demonstrates that all of the following criteria are met:~~
- (i) ~~Buffer width averaging pursuant to Subsection (c), below, is not possible due to site characteristic; and~~
 - (ii) ~~A decrease is necessary to accomplish the purposes of the proposal and no reasonable alternative is available; and~~
 - (iii) ~~Decreasing width will not adversely affect the fish and wildlife habitat functions and values; and~~
 - (iv) ~~If a portion of a buffer is to be reduced, the remaining buffer area will be enhanced, using native vegetation, artificial habitat features, vegetative screening and/or barrier fencing as appropriate to improve the functional attributes of the buffer and to provide equivalent or better protection for fish and wildlife habitat functions and values; and~~
 - (v) ~~The buffer width shall not be reduced below 50% of the standard buffer width unless the Administrative Official determines that no other reasonable alternative exists and that no net loss of HCA riparian functional values will result, based on a functional assessment provided by the Applicant utilizing a methodology approved by the Administrative Official.~~
- (e2) ~~Averaging Buffer Widths~~ Averaging. ~~Buffer widths may be modified by averaging buffer width. Buffer width averaging allows limited reductions of buffer width in specified locations, while requiring increases in others. Averaging of required buffer widths shall be allowed only where the Applicant demonstrates to the Administrative Official that all of the following criteria are met:~~
- (a) ~~the Averaging is necessary to accomplish the purpose of the proposal and that no reasonable alternative is available; and~~
 - (b) ~~The habitat contains variations in sensitivity due to existing physical characteristics; and~~
 - (c) ~~that width averaging~~ Averaging ~~will not adversely impact the functional values~~ functions and values of fish and wildlife conservation areas ~~habitat; and~~
 - (d) ~~that width averaging~~ Averaging ~~meets performance standards for protecting fish species; and~~
 - (e) ~~that the~~ The ~~The total area contained within the buffer after averaging is no less than that contained within the standard buffer prior to averaging; and~~

~~(f) The buffer width shall not be reduced below 50/75% of the standard buffer width, unless the Administrative Official determines that no other reasonable alternative exists and that no net loss of HCA riparian functional values will result, based on a functional assessment provided by the Applicant utilizing a methodology approved by the Administrative Official.~~

~~(3) Decreasing Buffer Widths Decreasing. Buffers may be reduced when buffer reduction impacts are mitigated and result in equal or greater protection of the HCA functions and values. Prior to considering buffer reductions, the applicant shall demonstrate application of mitigation sequencing as required in SCC 14.24.080. A plan for mitigating buffer reduction impacts must be prepared using selected incentive-based mitigation options from the list below, and is subject to approval by the County.~~

The following incentive options for reducing standard buffer widths shall be considered cumulative up to a maximum reduction of -twenty-five percent (25%) of the standard buffer width. In all circumstances where a substantial portion of the remaining buffer is degraded, the buffer reduction plan shall include replanting with native vegetation in the degraded portions of the remaining buffer area and shall include a five (5) year monitoring and maintenance plan. Buffers may be reduced by:

(a) Installation of biofiltration/infiltration mechanisms: up to twenty percent (20%) reduction in standard buffer width for the installation of bioswales, created and/or enhanced wetlands, or ponds supplemental to existing storm drainage and water quality requirements.

(b) Removal of existing impervious surfaces:

- (i) Up to ten percent (10%) reduction in standard buffer width if impervious surfaces within the to-be-remaining buffer area are reduced by at least fifty percent (50%); or
- (ii) Up to twenty percent (20%) reduction in standard buffer width if the to-be-remaining buffer area is presently more than fifty percent (50%) impervious AND all of the impervious surface is to be removed.

(c) Removal of invasive, non-native vegetation: up to ten percent (10%) reduction in standard buffer width for the removal and continued eradication of relatively dense stands of invasive, non-native vegetation from significant portions of the remaining buffer area.

(d) In-stream habitat enhancement:

- (i) Up to twenty percent (20%) reduction in standard buffer width for log structure placement, bioengineered bank stabilization, or culvert removal; or

- (ii) Up to twenty five percent (25%) reduction in standard buffer width for improving fish passage and/or creation of side channel or backwater areas.
- (e) Installation of oil/water separators for storm water quality control if not already required under an existing development proposal: up to ten percent (10%) reduction in standard buffer width.
- (f) Use of pervious material for driveway/road construction: up to ten percent (10%) reduction in standard buffer width.
- (g) Removal of significant refuse or sources of toxic material: up to ten percent (10%) reduction in standard buffer width.
- (h) Preparation of, and agreement to adhere to, a vegetation management plan that includes appropriate limitations on the site use of fertilizer, herbicides, and pesticides as needed to protect water quality: up to ten percent (10%) reduction in standard buffer width.
- (i) Limiting lawn area to no greater than 20% of the lot area. Landscaped areas outside of the lawn and buffer areas shall be maintained or planted in non-invasive vegetation: up to ten percent (10%) reduction in standard buffer width.
- (j) Native vegetation enhancement within a fish and wildlife HCA or its buffer: up to twenty-five percent (25%) reduction in standard buffer width if identified as a benefit to the functions and values in the site assessment.
- (k) Retention of existing vegetation: up to twenty-five percent (25%) reduction in standard buffer width with a previously established densely vegetated buffer that protects the functions and values of the HCA.
- (4) Buffer Width Variance. Standard buffer widths may be reduced by more than 25% through a variance pursuant to SCC 14.24.140.
- (35) Allowed Uses in HCAs or Buffers. The following activities may be permitted within fish and wildlife HCAs but shall comply with SCC 14.24.080 and SCC 14.24.520.

 - (a) Roads, Bridges and Utilities. Road, bridge and utility construction may be permitted across a Fish and Wildlife Habitat Conservation Area an HCA and/or its buffer under the following conditions:

 - (i) It is demonstrated to the Administrative Official that there are no alternative routes that can be reasonably used to achieve the proposed development; and

- (ii) The activity will have minimum adverse impact to the ~~F~~fish and ~~W~~wildlife ~~Habitat Conservation Area HCA~~; and
 - (iii) The activity will not significantly degrade surface or groundwater; and
 - (iv) The intrusion into the ~~F~~fish and ~~W~~wildlife ~~Habitat Conservation Area HCA~~ and its buffers is fully mitigated; and.
 - ~~(v) The Administrative Official shall provide opportunity for review and comment by a Technical Team in which participation has been solicited from Federal, State and Tribal natural resource agencies.~~
- (b) Docks. Docks designed to facilitate low-impact uses, such as education and/or private, non-commercial recreation may be permitted within ~~F~~fish and ~~W~~wildlife HCAs under the following conditions:
- (i) The activity will have minimum adverse impact to the ~~F~~fish and ~~W~~wildlife ~~Habitat Conservation Area HCA~~; and
 - (ii) The activity will not significantly degrade surface or groundwater; and
 - (iii) The intrusion into the ~~F~~fish and ~~W~~wildlife ~~Habitat Conservation Area HCA~~ and its buffers is fully mitigated; and
 - ~~;~~ and
 - (iv) The activity shall be consistent with the provisions of SCC 14.26.
 - ~~(iv) The Administrative Official shall provide opportunity for review and comment by a Technical Team in which participation has been solicited from Federal, State and Tribal natural resource agencies.~~
- ~~(c) Bulkheads. Bulkheads designed to protect existing single-family residences may be permitted within fish and wildlife HCAs under the following conditions:~~
- ~~(i) The activity will have minimum adverse impact to the fish and wildlife HCA; and~~
 - ~~(ii) The activity will not significantly degrade surface or groundwater; and~~
 - ~~(iii) The intrusion into the fish and wildlife HCA shall be fully mitigated; and~~
 - ~~(iv) The activity shall be consistent with the provisions of SCC 14.26.~~
- ~~(ed) Limited park or recreational access to a fish and wildlife habitat area HCA or its required buffer, provided that all of the following are satisfied:~~

- (i) The access is part of a public park or a recreational resort development that is dependent on the access for its location and recreational function; and
 - (ii) The access is limited to the minimum necessary to accomplish the recreational function; and
 - (iii) The access and the balance of the development is consistent with other requirements of SCC Title 14 ~~and the Skagit County Shoreline Management Master Program~~; and
 - (iv) The proponent obtains ~~a~~ written approval from the County, ~~after consultation with the Technical Team~~, for the limited access and associated mitigation.
- (~~e~~) Low impact uses and activities which are consistent with the purpose and function of the ~~habitat~~ buffer and do not detract from its integrity may be permitted within the buffer depending on the sensitivity of the habitat involved provided, that such activity shall not result in a decrease in riparian ~~functional values~~ functions and values and shall not prevent or inhibit the buffer's recovery to at least pre-altered condition or function. Examples of uses and activities which may be permitted in appropriate cases, as long as the activity does not retard the overall recovery of the buffer, include removal of noxious vegetation, pedestrian trails, and viewing platforms less than 200 square feet in size which may be covered but not enclosed, and stormwater management facilities such as grass lined swales.
- (f) Stormwater discharges shall be controlled and treated in accordance with the Stormwater Management Manual for Western Washington, Department of Ecology publication Numbers 05-10-029 through 05-10-033. (Ord. 17938 Atch. F (part), 2000)
- (~~e~~) ~~In the riparian buffer, removal of hazardous, diseased or dead trees and vegetation when necessary to control fire, or to halt the spread of disease or damaging insects consistent with the State Forest Practices Act, RCW 76.09, or when the removal is necessary to avoid a hazard such as landslides or pose a threat to existing structures may be permitted with prior written approval. Any removed tree or vegetation shall be replaced with appropriate species. Replacement shall be performed consistent with accepted restoration standards for riparian areas within 1 calendar year. The Administrative Official may approve alternative tree species to promote fish and wildlife habitat. Prior to commencement of tree or vegetation removal and/or replacement, the landowner must obtain written approval from the Planning and Permit Center, unless it qualifies as an emergency under SCC 14.24.100(1).~~
- (~~f~~) ~~To allow for greater flexibility in a development proposal, an Applicant has the opportunity to remove timber within a standard buffer widths shown above if the Applicant's mitigation~~

measures incorporate all of the performance standards based upon water type listed in the table below. In conformance with professional standards used by the Washington Department of Natural Resources for forest practices in sensitive areas, all removal of timber within HCA buffers shall be subject to conditioning specified by the Administrative Official in conjunction with an on-site Technical Team review in which participation by representatives of the proponent, Ecology, WDFW, WDNR and natural resource representatives of affected Indian tribes is solicited.

The intent of this Section is to provide an additional opportunity for an Applicant to propose some level of timber removal within the riparian habitat zone as long as it can be demonstrated that the function of the buffer can be maintained at the levels described below. If the buffer, in its current state, cannot meet these standards, then the Administrative Official will not be able to give its approval for any activity which would inhibit recovery of or degrade the current buffer.

The current performance of a given buffer area is compared to its potential performance as rated by the Soil Conservation Service, Soil Survey of Skagit County, 1989. In consultation with a representative from the Natural Resource Conservation Service, Soil Conservation District or professional forester, the Applicant will determine the capability of the site for woodland management using the most suitable tree species according to the Soil Survey and establish the stand characteristics that would be expected from a mature stand of those species established onsite:

If the current stand can exceed the riparian protection that could be expected based on site potential, then additional activity may be allowed provided the following performance standards can be met. For type 1 and 2 streams, an alternative method may be utilized to allow limited timber harvest within the outer 100 feet of a buffer:

PERFORMANCE-BASED RIPARIAN STANDARDS*

(These standards must be exceeded before additional activity can be permitted within the riparian zone)

Watertype	Performance Standards
Type 1 & 2 (Fish Bearing)	Maintain 95% of total LWD recruitment expected to enter the stream from a mature stand; and Maintain 85% of the trees which are greater than 24" DBH within 100' of stream; and Maintain an average of 75% canopy cover (based on canopy densitometer readings at

Watertype	Performance Standards
	<p>stream edge)</p> <p>The Applicant may further request some limited timber harvest of up to 30% of the merchantable timber within the outer 100 feet of any 200 foot required buffer provided the harvest:</p> <ul style="list-style-type: none"> (a) does not reduce the LWD and canopy requirements; and (b) the Applicant will increase the total buffer size by 50 feet to mitigate for the limited timber harvest in the required buffer to provide additional wildlife habitat. The additional 50 foot buffer shall retain a minimum of 50% of the total number of trees with 25% of the total trees left having a diameter at breast height (DBH – 4½ feet) greater than 12 inches; and (c) no more than 50% of the dominant trees in the outer 100 feet may be harvested.
<p>Type 3 (Fish Bearing)</p>	<p>Maintain 85% of total LWD recruitment expected to enter the stream from a mature stand; and</p> <p>Maintain 85% of the trees which are greater than 18" DBH within 100 of stream; and</p> <p>Maintain an average of 75% canopy cover (based on canopy densitometer readings at stream edge).</p>
<p>Type 4 & 5 (Non fish Bearing)</p>	<p>Maintain 50% of total LWD recruitment expected to enter the stream from a mature stand; and</p> <p>Maintain 85% of the trees which are greater than 24" DBH within 50 of stream; and</p> <p>Maintain an average of 75% canopy cover (based on canopy densitometer readings at stream edge).</p>

* Note: Applicants electing to employ performance based mitigation in accordance with the above matrix shall include appropriate analysis and justification in their Site Assessment/Habitat Management Plan.

- (4) Bald eagle habitats shall be protected pursuant to the Washington State Bald Eagle Protection Rules (WAC 232-12-292), a cooperative Habitat Management Plan shall be developed in coordination with the

Department of Fish and Wildlife whenever activities that alter habitat are proposed near a verified nest territory or communal roost.

- (5) ~~Wetlands that are identified as a fish and wildlife habitat conservation area shall be protected according to the provisions in SCC 14.24.530(2)(a), Increasing Buffer Width. If the wetland buffer widths called for under SCC 14.24.530(2), Standard Buffer Widths conflict with this Section, the buffer widths providing the greatest protection shall apply.~~
- (6) ~~If the project falls within 200 feet of any public or private tidelands suitable for shellfish harvest and requires an on-site sewage system, such system shall be required to have an operation and maintenance agreement on file with the County as provided for in WAC 246-272-15501(2)(b)(i and ii) and be designated as an "area of special concern" consistent with the provisions of WAC 246-272-15501.~~
- (7) ~~All other fish and wildlife habitat conservation area, including Habitats/Species of Local Significance, shall be protected on a case by case basis by means of a Habitat Management Plan based on the PHS program, as set forth in SCC 14.24.510 and 14.24.520, Initial Project Review and Site Assessment/Habitat Management Plan.~~
- (8) ~~Approval of any activity that can adversely affect fish and wildlife habitat conservation areas shall conform to the requirements set forth in SCC 14.24.170(1). (Ord. 17938 Attch. F (part), 2000)~~

14.24.600 Flood Hazard Area Frequently Flooded Areas Designations.

~~Flood Hazard Areas~~ Frequently flooded areas shall be designated as those areas identified as A, AO, AH, AI-10, A12, A14, A16, A18, A21-22, V1 and V4 zones on the Official Flood Insurance Rate Map for Skagit County as amended. Cumulatively these zones represent the floodway and 100-year floodplain. (Ord. 17938 Attch. F (part), 2000)

14.24.610 Flood Hazard Area Frequently Flooded Areas Initial Project Review.

Project review shall be conducted in accordance with the procedures and requirements for reviewing an application for a permit under SCC 14.34 (~~Flood Damage~~) as amended. (Ord. 17938 Attch. F (part), 2000)

14.24.620 Flood Hazard Area Frequently Flooded Areas Site Assessment Development Requirements.

~~Site assessments~~ Development criteria and associated engineering requirements for ~~flood hazard areas~~ frequently flooded areas shall be addressed under the provisions of SCC 14.34 (~~Flood Damage~~). (Ord. 17938 Attch. F (part), 2000)

14.24.630 Flood Hazard Area Frequently Flooded Areas Mitigation Protection Standards.

- (1) All development shall conform to the provisions of SCC 14.34 (~~Flood Damage~~), and the ~~Uniform~~ International Building Code, which contain

structural safeguards to reduce risk to human life, health and property from flooding.

- (2) Any use or development shall not alter the normal movement of surface water in a manner that would cause the unnatural diversion of floodwater to otherwise flood-free areas. (Ord. 17938 Attch. F (part), 2000)

14.24.700 Compliance Tracking.

- (1) The Administrative Official shall undertake a coordinated system of compliance tracking to ensure that conditions of approval, mitigation requirements, and required landowner maintenance and/or monitoring responsibilities are being met.
- (2) Compliance tracking efforts shall include complaint driven site visits and review on an annual basis of a representative ~~sampling monitoring~~ of projects or activities having received critical areas approval a minimum of 10 months prior to the ~~sampling monitoring~~ date. Results of such monitoring shall be included in the permanent record for the project or activity and shall be utilized for enforcement purposes.
- (3) If, based on compliance tracking efforts, the Administrative Official discovers violations of this Chapter, such violations shall be subject to the enforcement provisions set forth under SCC 14.44.~~If the Administrative Official determines that increased compliance tracking is warranted based on unacceptably high levels of non-compliance, the number of projects or activities to be sampled shall be increased.~~
- (4) If, based on compliance tracking efforts, the Administrative Official discovers violations of this Chapter, such violations shall be subject to the enforcement provisions set forth under SCC 14.44.~~If the Administrative Official determines that increased compliance tracking is warranted based on unacceptably high levels of non-compliance, the number of projects or activities to be monitored shall be increased.~~ (Ord. 17938 Attch. F (part), 2000)

14.24.710 Fees.

The Board of County Commissioners by resolution after a public hearing shall establish fees for projects requiring additional services by the County to be on the basis of all direct costs incurred by the County, including, but not limited to, the following:

- (1) Costs of inspection time;
- (2) Costs for testing completed facilities;
- (3) Costs for administration;
- (4) Costs of engineering-review time;

- (5) Costs for evaluation of non-compliant activities, for determination of associated mitigation requirements, and for implementation of required mitigation if undertaken by the County;
- (6) Any other special costs attributable to the project. (Ord. 17938 Attch. F (part), 2000)

14.24.720 Administrative Official.

- (1) The Administrative Official or duly authorized agent shall administer and enforce this Chapter. The Administrative Official shall apply the provisions of this Chapter consistent with the Washington State Growth Management Act (RCW 36.70A), the Skagit County Comprehensive Plan, the Skagit County Countywide Planning Policies and the goals of this Chapter. In all instances where administrative discretion is exercised, the Administrative Official ~~or his or her designee~~, shall document the basis for such determinations. Such documentation shall be included in the official file for the proposed project or activity and be made available ~~for to the public review~~ upon request.
- (2) If the Administrative Official finds that any of the provisions of this Chapter are being violated, he or she shall notify, in writing, the person responsible for such violations, indicating the nature of the violation and ordering the action necessary to correct it. The Administrative Official shall take all actions authorized by this Chapter to insure compliance with or to prevent violation of its provisions, including referring violations to the prosecutor's office. (Ord. 17938 Attch. F (part), 2000)

14.24.730 Appeals from the Administrative Official.

Appeals may be taken to the Hearing Examiner by any aggrieved party affected by any decision of the Administrative Official under this Chapter. Such appeals shall be filed and processed consistent with the provisions of SCC 14.06 ~~(Permit Procedures)~~. (Ord. 17938 Attch. F (part), 2000)

14.24.740 ~~Interdisciplinary Technical Team.~~

The Administrative Official, ~~or the~~ Hearing Examiner or other appropriate hearing body may, as they deem necessary, utilize an interdisciplinary team to provide technical assistance where necessary to assess a proposal or make a determination.

- (1) Members of the interdisciplinary team shall be selected by the Administrative Official, Hearing Examiner or appropriate hearing body ~~as appropriate~~. Selection of the team shall include the proponents (upon their request) and local, State, Tribal or Federal representatives with expertise in the field and/or independent professionals with expertise relating to the critical ~~area~~areas issue.
- (2) The functions of the interdisciplinary team are to field check and verify critical ~~area~~areas determinations by reviewing the information included with an application, identify areas of concern, and help focus the preparation of subsequent reports and environmental documentation on the most relevant issues.

- (3) The Administrative Official, Hearing Examiner or appropriate hearing body, ~~as appropriate,~~ will coordinate this effort and pursue a consensus process in seeking advice from the team.
- (4) A complete public record will be maintained of written opinion submitted by individual team members. (Ord. 17938 Attch. F (part), 2000)

APPENDIX A

~~Department Of Ecology Designated Low Flow Water Courses (RCW 90.22)~~

~~White Creek (tributary of Colony Creek)~~

~~Jones Creek (tributary of Skagit River)~~

~~Carpenter Creek (tributary of Tom Moore Slough)~~

~~Lake Erie (the tributary between Lake Erie and Lake Campbell)~~

~~Cool Creek (tributary of Skagit River)~~

~~Nookachamps Creek (tributary of Skagit River)~~

~~Friday Creek (tributary of Samish River)~~

~~Samish River~~

~~Diobsud Creek (tributary of Skagit River)~~

~~Grandy Creek (tributary of Skagit River)~~

APPENDIX B

~~Summary of Map Sources By Critical Area Type~~

~~WETLANDS~~

~~1. U.S. Department of The Interior, National Wetlands Inventory~~

~~2. USDA, Skagit County Soil Survey, 1989~~

~~3. Washington Department of Natural Resources, Water Type Reference Map~~

~~4. Skagit County Wetland Protection Program Report, 1991. BEAK Consultants, Inc.~~

~~FREQUENTLY FLOODED AREAS~~

~~Federal Emergency Management Administration (FEMA), National Flood Insurance Program, Flood Insurance Rate Maps~~

~~AQUIFER RECHARGE AREAS~~

~~1. Skagit County Susceptibility of Potential Aquifer Recharge Areas~~

~~2. USDA, Skagit County Soil Survey, 1989~~

~~3. Skagit County Coordinated Water System Plan Regional Supplement, July 1993~~

~~4. USGS, Miscellaneous Investigation Series, for the Port Townsend, Sauk and Mount Baker, 30' x 60' Minute Quadrangles, Puget Sound Region, Washington (multiple dates)~~

~~5. Washington State, Department of Ecology, Coastal Zone Atlas~~

~~6. Washington Department of Natural Resources, Water Type Reference Map~~

~~GEOLOGICALLY HAZARDOUS AREAS~~

~~1. USDA, Skagit County Soil Survey, 1989~~

- ~~2. Washington State, Department of Ecology, Coastal Zone Atlas~~
- ~~3. The Skagit County Alluvial Fan Study Orthophoto Maps~~
- ~~4. Department of Natural Resources, Coal Measures of Skagit County, 1924~~
- ~~5. Washington Department of Natural Resources, Water Type Reference Map~~
- ~~6. USGS, Miscellaneous Investigation Series, for the Port Townsend, Sauk and Mount Baker, 30' x 60' Minute Quadrangles, Puget Sound Region, Washington (multiple dates)~~
- ~~7. Glacier Peak, Washington, Open File Report 95-499, U.S. Geological Survey (Volcanic Hazard Zones)~~
- ~~8. Mount Baker, Washington, Open File Report 95-498, U.S. Geological Survey (Volcanic Hazard Zones).~~

FISH AND WILDLIFE HABITAT CONSERVATION AREAS

- ~~1. Washington State Department of Fish and Wildlife, Priority Habitats and Species maps.~~
- ~~2. Washington State Department of Natural Resources, Water Type Reference map.~~
- ~~3. Washington State Department of Ecology, Coastal Zone Atlas.~~
- ~~4. Washington State Department of Fish and Wildlife, Fisheries Data.~~
- ~~5. Puget Sound Water Quality Authority, Puget Sound Environmental Atlas.~~