

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): 2/24/2021 ORM Number: NWS-2021-130 Associated JDs: N/A

Review Area Location¹: State/Territory: Washington City: Marysville County/Parish/Borough: Snohomish Center Coordinates of Review Area: Latitude 48.143211 Longitude -122.163356

II. FINDINGS

A. Summary: Check all that apply. At least one box from the following list MUST be selected. Complete the corresponding sections/tables and summarize data sources.

- □ The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A or describe rationale.
- □ There are "navigable waters of the United States" within Rivers and Harbors Act jurisdiction within the review area (complete table in Section II.B).
- There are "waters of the United States" within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section II.C).
- There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in Section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)²

§ 10 Name	§ 10 Size)	§ 10 Criteria	Rationale for § 10 Determination
N/A.	N/A.	N/A	N/A.	N/A.

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters): ³				
(a)(1) Name	(a)(1) Size		(a)(1) Criteria	Rationale for (a)(1) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

Tributaries ((a)(2) waters):					
(a)(2) Name	(a)(2) Size		(a)(2) Criteria	Rationale for (a)(2) Determination	
N/A.	N/A.	N/A.	N/A.	N/A.	

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):					
(a)(3) Name	(a)(3) Size		(a)(3) Criteria	Rationale for (a)(3) Determination	
N/A.	N/A.	N/A.	N/A.	N/A.	

¹ Map(s)/figure(s) are attached to the AJD provided to the requestor.

² If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.

³ A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.



Adjacent wetlands ((a)(4) waters):						
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination		
Wetland F	15.31	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	Wetland F is separated from (a)(1) and (a)(2) waters only by artificial barriers (roadways) under which culverts provide direct hydrologic surface connection between the subject wetland and (a)(1) and (a)(2) waters in a typical year.		

D. Excluded Waters or Features

Excluded waters $((b)(1) - (b)(12))$: ⁴					
Exclusion Name	Exclusion	n Size	Exclusion ⁵	Rationale for Exclusion Determination	
Hayho Creek	1,250	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	Hayho Creek is not subject to tidal ebb and flow and has no potential to be used in interstate or foreign commerce. Hayho Creek is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in an adjacent wetland. Hayho Creek is not an (a)(1) or (a)(2) water and was not constructed in an (a)(4) water. See Section III.C for additional details.	
Ditch X	2,170	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	Ditch X is not subject to tidal ebb and flow and has no potential to be used in interstate or foreign commerce. The subject ditch is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in an adjacent wetland. Ditch X is not an (a)(1) or (a)(2) water and was not constructed in an (a)(4) water. See Section III.C for additional details.	

⁴ Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps districts may, in case-by-case instances, choose to identify some or all of these waters within the review area. ⁵ Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1)

^o Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.



Ditch Z	1,240	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	Ditch Z is not subject to tidal ebb and flow and has no potential to be used in interstate or foreign commerce. The subject ditch is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in an adjacent wetland. Ditch Z is not an (a)(1) or (a)(2) water and was not constructed in an (a)(4) water. See Section III.C for additional details.
51st Avenue West Ditch	2,645	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The 51st Avenue West Ditch is not subject to tidal ebb and flow and has no potential to be used in interstate or foreign commerce. The subject ditch is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in an adjacent wetland. The subject ditch is not an (a)(1) or (a)(2) water and was not constructed in an (a)(4) water. See Section III.C for additional details.
Linear Drainage Feature Adjacent to Wetland A	250	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not subject to tidal ebb and flow and has no potential to be used in interstate or foreign commerce. The subject ditch is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in an adjacent wetland. The subject ditch is not an $(a)(1)$ or $(a)(2)$ water and was not constructed in an $(a)(4)$ water. See Section III.C for additional details.
Southern Drainage Ditch	1,530	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not subject to tidal ebb and flow and has no potential to be used in interstate or foreign commerce. The subject ditch is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in an adjacent wetland. The subject ditch is not an (a)(1) or (a)(2) water and was not constructed in an (a)(4) water. See Section III.C for additional details.



Wetland A	2.03	acre(s)	(b)(1) Non- adjacent wetland.	The wetland does not abut an (a)(1) through (3) water; is not inundated by flooding from a paragraph (a)(1) through (3) water in a typical year; is not physically separated from a paragraph (a)(1) through (3) water by a natural berm, bank, dune, or similar natural feature or by an artificial dike, barrier, or similar artificial structure that allows for a direct hydrologic surface connection between the wetland and the paragraph (a)(1) through (3) water in a typical year. See Section III C for additional details
Wetland B	0.44	acre(s)	(b)(1) Non- adjacent wetland.	The wetland does not abut an (a)(1) through (3) water; is not inundated by flooding from a paragraph (a)(1) through (3) water in a typical year; is not physically separated from a paragraph (a)(1) through (3) water by a natural berm, bank, dune, or similar natural feature or by an artificial dike, barrier, or similar artificial structure that allows for a direct hydrologic surface connection between the wetland and the paragraph (a)(1) through (3) water in a typical year. See Section III.C for additional details.
Wetland C	1.37	acre(s)	(b)(1) Non- adjacent wetland.	The wetland does not abut an (a)(1) through (3) water; is not inundated by flooding from a paragraph (a)(1) through (3) water in a typical year; is not physically separated from a paragraph (a)(1) through (3) water by a natural berm, bank, dune, or similar natural feature or by an artificial dike, barrier, or similar artificial structure that allows for a direct hydrologic surface connection between the wetland and the paragraph (a)(1) through (3) water in a typical year. See Section III C for additional details
Wetland D	0.11	acre(s)	(b)(1) Non- adjacent wetland.	The wetland does not abut an (a)(1) through (3) water; is not inundated by flooding from a paragraph (a)(1) through (3) water in a typical year; is not physically separated from a paragraph (a)(1) through (3) water by a natural berm, bank, dune, or similar natural feature or by an artificial dike, barrier, or similar artificial structure that allows for a direct hydrologic surface connection between the wetland and the paragraph (a)(1) through (3) water in a typical year. See Section III.C for additional details.



Wetland E	0.16	acre(s)	(b)(1) Non- adjacent wetland.	The wetland does not abut an (a)(1) through (3) water; is not inundated by flooding from a paragraph (a)(1) through (3) water in a typical year; is not physically separated from a paragraph (a)(1) through (3) water by a natural berm, bank, dune, or similar natural feature or by an artificial dike, barrier, or similar artificial structure that allows for a direct hydrologic surface connection between the wetland and the paragraph (a)(1) through (3) water in a typical year. See Section III.C for additional details.
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III. SUPPORTING INFORMATION

A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.

Information submitted by, or on behalf of, the applicant/consultant: Wetland Delineation, Groundwater Monitoring, and Fish and Wildlife Habitat Assessment Report for Williams Investments 51st Avenue Northeast Property dated January 2021; Technical Memorandum dated 27 January 2021.

This information is sufficient for purposes of this AJD. Rationale: N/A

Data sheets prepared by the Corps: Title(s) and/or date(s).

Photographs: Aerial: Google Earth Aerial Imagery accessed January 2021, February 2021; Historic Aerials provided by NETRonline accessed February 2021.

- Corps site visit(s) conducted on: 9 February 2021
- Previous Jurisdictional Determinations (AJDs or PJDs): NWS-2020-571 dated 30 July 2020
- Antecedent Precipitation Tool: *provide detailed discussion in Section III.B*.
- USDA NRCS Soil Survey: NRCS Soil Survey Map dated 25 January 2018
- USFWS NWI maps: USFWS National Wetland Inventory Map dated 25 January 2018
- USGS topographic maps: USGS topographic maps dated 1911, 1941, 1943, 1956, and 2020

Other data sources used to aid in this determination:

Data Source (select)	Name and/or date and other relevant information
USGS Sources	N/A.
USDA Sources	N/A.
NOAA Sources	N/A.
USACE Sources	N/A.
Other state/local data	Snohomish County Wetland Inventory Map dated 25 January 2018;
(specify)	Snohomish County Stream Inventory Map dated 25 January 2018
Other Sources	EPA WATERS layer accessed via Google Earth, February 2021; WDFW PHS
	Map dated 25 January 2018; WDFW SalmonScape Map accessed February
	2021; DNR Stream Typing Map dated 25 January 2018

B. Typical year assessment(s): Based on the Antecent Precipitation tool, in a typical year, Wetlands A - F are not inundated or flooded by an (a)(1), (a)(2), or (a)(3) water.



C. Additional comments to support AJD: Hayho Creek (formerly known as Smokey Point Channel West) is a linear, artificial feature that flows along the western boundary of the review area. Hayho Creek is not subject to tidal ebb and flow and has no potential to be used in interstate or foreign commerce. Based on a review of USGS historic topographic maps, Hayho Creek was excavated within agricultural fields between the years of 1943 and 1956. Historic property records indicate that agricultural practices in this portion of Snohomish County began prior to 1916, and historic aerial imagery confirms that the subject property and adjacent properties were actively farmed when Hayho Creek was excavated. Based on historic topographic maps and aerial imagery, no natural tributary was present prior to excavation of Hayho Creek. Therefore, Hayho Creek did not relocate a tributary and was not constructed in a tributary. Hayho Creek was likely excavated within Wetland F, which is located in the northwestern portion of the review area and extends off-site to the north and west. At the time of Hayho Creek excavation, the nearest potential water of the U.S., Edgecomb Creek, was located 0.66 mile east of Wetland F. An impervious roadway (51st Avenue) was located between Wetland F and Edgecomb Creek, and the property east of the roadway had functional drainage tiles (see AJD for NWS-2020-571, dated 30 July 2020) which would have severed any hydrologic connection between the review area and Edgecomb Creek. It is unlikely that a subsurface or surface water connection existed between Wetland F and Edgecomb Creek, therefore Wetland F would not have been an adjacent wetland at the time of Hayho Creek excavation. Based on this information, Hayho Creek is a ditch that did not relocate a tributary, was not constructed in a tributary, and was not constructed in an adjacent wetland.

Wetland F is a 666,928 sf, Category II wetland located along the northwestern property boundary. The subject wetland extends offsite of the northwest and west. Wetland F receives hydrology from direct precipitation, surface sheet flow, and seasonally high groundwater table. The on-site portion of Hayho Creek flows through Wetland F, and during a typical year, Wetland F contributes intermittent flow to Hayho Creek. Evidence of ponding at least 6 inches above the bottom of the outlet to Hayho Creek was observed. Hayho Creek flows 1.56 miles to Middle Fork Quilceda Creek, which flows to Quilceda Creek and eventually outlets to Puget Sound. Wetland F is physically separated from tributaries and the territorial sea only by artificial barriers (roadways) under which culverts provide direct hydrologic connection between Wetland F and Puget Sound. Based on the Washington State Fish Passage Tool, at least ten artificial barriers (roadways) exist between Wetland F and Puget Sound. Culverts located under each of these roadways allow for direct hydrologic surface connection between Wetland F and Puget Sound, a territorial sea. Based on this information, Wetland F is an adjacent wetland.

Ditch X and Z are linear, artificial features which drain agricultural fields into Hayho Creek. The subject ditches are not subject to tidal ebb and flow and have no potential to be used in interstate or foreign commerce. Based on a review of historic aerial imagery and topographic maps, Ditch X and Ditch Z appear to have been excavated between the years of 1941 and 1956 for the purpose of stormwater conveyance within agricultural fields. Based on historic topographic maps and aerial imagery, no natural tributary was present prior to excavation of Ditch X and Z. Based on a USFWS NWI Map for the review area, there are no wetlands mapped within the immediate vicinity of the subject ditches. The nearest mapped wetland is Wetland F, located 0.13 mile north of Ditch X and 0.25 mile north of Ditch Z. At the time of Ditch X and Z excavation, Wetland F was not an adjacent wetland per the rationale above. Based on the information above, the subject ditch does not relocate a tributary, is not constructed in a tributary, and is not constructed in an adjacent wetland thus the subject ditch does not meet the definition of a tributary.

The 51st Avenue West ditch is located along the eastern boundary of the review area. The subject ditch is



not subject to tidal ebb and flow and has no potential to be used in interstate or foreign commerce. The subject ditch does not appear on historic topographic maps or aerials; however, it was likely constructed between the years of 1942 and 1957 concurrent with the construction of the 51st Avenue East ditch for the purpose of seasonal stormwater conveyance. The 51st Avenue East ditch has been identified as "Westphal Creek" on a 2017 USGS topographic map. Based on historic aerial imagery and topographic maps, there is no history of this creek or evidence to support that a creek was diverted into a ditch along 51st Avenue. Therefore, the 51st Avenue West ditch did not relocate a tributary and was not constructed in a tributary. No evidence of historic wetlands in this portion of the review area was documented on historic topographic maps or aerial images. If wetlands did exist in this area at the time of ditch excavation, it is unlikely that the wetlands would have been adjacent wetlands due to the presence of drainage features and impervious surfaces located between the ditch and nearest potential water of the U.S., Edgecomb Creek, located 0.26 mile east. Based on this information, the ditch is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in a nadjacent wetland.

Wetland A is an 88,506 square foot (sf), Category IV depressional wetland located along the southeastern property boundary. The subject wetland receives hydrology from a seasonally-high water table, direct precipitation, and surface runoff from adjacent uplands. The 51st Avenue West Ditch is located along the eastern boundary of Wetland A; however, the ditch is hydrologically separated from the subject wetland by an upland berm. The 51st Avenue Ditch is not an (a)(1) through (3) water per the rationale above. There are no artificial structures that would allow for direct hydrologic surface connection between Wetland A and an (a)(1) through (3) water. Based on this information, Wetland A is a non-adjacent wetland.

A linear drainage feature is located immediately south of Wetland A. The subject ditch is hydrologically separated from the 51st Avenue West Ditch by an upland berm, and there is no evidence of surface water connection between the ditch and Wetland A. Based on field investigations, there is no consolidated outlet from Wetland A to the ditch. The ditch does not convey water or hold surface water even after heavy precipitation events. The subject ditch is not mapped on any historic topographic maps or aerials; however, it is likely that the ditch was excavated concurrent to construction of other drainage features on site between the years of 1943 and 1956. Based on historic topographic maps and aerial imagery, no natural tributary was present in the vicinity of the review area; therefore, the subject ditch did not relocate a tributary and was not constructed in a tributary. No evidence of historic wetlands in this portion of the review area at the time of ditch excavation, it is unlikely that the wetlands would have been adjacent wetlands due to the presence of drainage features and impervious surfaces located between the ditch and nearest potential water of the U.S., Edgecomb Creek, located 0.26 mile east. Based on this information, the ditch is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in a tributary.

Wetland B is a 19,195 sf, Category IV depressional wetland located south of Wetland A, along the southeastern property boundary. The subject wetland receives hydrology from a seasonally-high water table, direct precipitation, and surface runoff from adjacent uplands. The 51st Avenue West Ditch is located along the eastern boundary of Wetland B; however, the ditch is hydrologically separated from the subject wetland by an upland berm. The 51st Avenue Ditch is not an (a)(1) through (3) water per the rationale above. There are no artificial structures that would allow for direct hydrologic surface connection between Wetland B and an (a)(1) through (3) water. Based on this information, Wetland B is a non-adjacent wetland.



Sheet 2 of the project drawings depicts a drainage ditch system which originates in an upland area near Wetland E. The subject ditch is separated from Ditch Z and Wetland E by upland berms which restrict direct hydrologic surface connection. The subject ditch runs along the eastern boundary of Wetland D, but is separated from the wetland by an upland berm which restricts hydrologic surface connection. The subject ditch outlets to Wetland C and contributes seasonal flooding to the wetland. The southern drainage ditch does not appear on any historic topographic maps or aerial images, but was likely excavated concurrent to construction of other drainage features on site between the years of 1943 and 1956. Based on historic topographic maps and aerial imagery, no natural tributary was present in the vicinity of the review area; therefore, the subject ditch did not relocate a tributary and was not constructed in a tributary. No evidence of historic wetlands did exist in this area at the time of ditch excavation, it is unlikely that the wetlands would have been adjacent wetlands due to the presence of drainage features and impervious surfaces located between the ditch and nearest potential water of the U.S., Edgecomb Creek, located 0.44 mile east. Based on this information, the ditch is an artificial channel that did not relocate a tributary, was not constructed in a tributary, and was not constructed in a tributary, was not constructed in a tributary, and was not constructed in a tributary.

Wetland C is a 59,974 sf, Category III depressional wetland located in the southwest corner of the review area. The subject wetland receives hydrology from a seasonally-high water table, direct precipitation, and surface runoff from adjacent uplands. The southern drainage ditch contributes seasonal flooding to Wetland C. Based on field investigations, Wetland C lacks a surface water outlet and surface runoff from the southern drainage ditch is impounded within the depression. Based on the rationale above, the southern drainage ditch is not an (a)(1) through (3) water. The subject wetland is located 0.44 mile from the nearest potential water of the U.S., Edgecomb Creek. The potential for a direct hydrologic connection between the subject wetland and Edgecomb Creek during a typical year is unlikely given the presence of drainage features and impervious surfaces between the wetland and creek. There are no artificial structures that would allow for direct hydrologic surface connection between Wetland C and an (a)(1) through (3) water. Based on this information, Wetland C is a non-adjacent wetland.

Wetland D is a 5,133 sf, Category IV depressional wetland located north of Wetland C, in the southwest corner of the review area. The southern drainage ditch is located along the eastern boundary of Wetland D; however, the subject wetland is separated from the southern drainage ditch by an upland berm which restricts direct hydrologic surface connection. Based on the rationale above, the southern drainage ditch is not an (a)(1) through (3) water. Based on field investigations, Wetland D lacks a surface water outlet. The subject wetland is located 0.44 mile from the nearest potential water of the U.S., Edgecomb Creek. The potential for a direct hydrologic connection between the subject wetland and Edgecomb Creek during a typical year is unlikely given the presence of drainage features and impervious surfaces between the wetland and creek. There are no artificial structures that would allow for direct hydrologic surface connection D and an (a)(1) through (3) water. Based on this information, Wetland D is a non-adjacent wetland.

Wetland E is a 7,001 sf, Category IV depressional wetland located in the central portion of the review area, south of Ditch Z. The subject wetland is hydrologically separated from Ditch Z by an upland berm that prevents surface water connection between the wetland and ditch. Ditch Z is not an (a)(1) through (3) water per the rationale above. The southern drainage ditch is located along the northern boundary of Wetland E; however, the subject wetland is separated from the southern drainage ditch by an upland berm which



restricts direct hydrologic surface connection. Based on the rationale above, the southern drainage ditch is not an (a)(1) through (3) water. The subject wetland is located 0.42 mile from the nearest potential water of the U.S., Edgecomb Creek. The potential for a direct hydrologic connection between the subject wetland and Edgecomb Creek during a typical year is unlikely given the presence of drainage features and impervious surfaces between the wetland and creek. There are no artificial structures that would allow for direct hydrologic surface connection between Wetland B and an (a)(1) through (3) water. Based on this information, Wetland E is a non-adjacent wetland.