

Naneum, Wilson, Cherry Creek Watershed Assessment  
Data Inventory and Assessment

Dataset Name/Description	File Name	Useful	Usefulness Rationale	Location	Source	Contact	Data Format	Spatial File Type	Year	Comments	Priority	Assessment Theme	Field Verification	Use Constraints
Topographic and LIDAR Data	YTC LIDAR, Colockum Naneum	Yes	Existing Conditions	Request from Jacobs	Kittitas County, FEMA, YTC		GDB, ADF	Raster			COMPLETE	Base Map	Base Map - No Field Verification	DO NOT DISTRIBUTE
Current aerial imagery	14-098 Colockum 01, 14-098 Colockum 02	Yes	Existing Conditions	Request from Jacobs	Kittitas County		SID	Raster	2014		COMPLETE	Base Map	Base Map - No Field Verification	DO NOT DISTRIBUTE
Irrigation Channels and Ditch Locations	Canals_all (includes BullDitch, Canals_KRD, Cascade_Canal, EWC), Levees	Yes	Infrastructure	GDB/Irrigation, GDB/Hydro	Kittitas County		SHP	Polyline		irrigation canals and laterals (No private ditches)	COMPLETE	Irrigation, Infrastructure, Water Quality	Important - Field Verification Needed	
Irrigation Control and Diversion Structures	WaterDivisions_ECY_NHD_internal	Yes	Infrastructure, Modeling	GDB/Irrigation	Washington State Department of Ecology Geographic Water Information System		GDB	Point	2014		COMPLETE	Irrigation, Infrastructure	Important - Field Verification Needed	DO NOT DISTRIBUTE
Parcels, Easements, ROW	TaxParcels_ROW	Yes	Base map	GDB/Parcels_ROW	Kittitas County		SHP	Polygon	2014	downloaded from county website	COMPLETE	Base Map	Base Map - No Field Verification	
Roads	CountyRoads_Greendot_Roads	Yes	Base map	GDB/BaseMap	Kittitas County		SHP, GDB	Polyline		downloaded from county website	COMPLETE	Infrastructure, Base Map	Base Map - No Field Verification	
Bridges	Bridges	Yes	Base map	GDB/BaseMap	Kittitas County		GDB	Point		Needs information on type/size/locations	COMPLETE	Infrastructure, Base Map	Important - Field Verification Needed	
Railroads	Railroads_DOT	Yes	Base map	GDB/BaseMap	Kittitas County, ESRI		SHP	Polyline			COMPLETE	Base Map	Base Map - No Field Verification	
Culverts	Culverts	Yes	Fish, Infrastructure	GDB/FishPassageBarriers	Kittitas County		SHP	Polyline		Needs information on type/size/locations	COMPLETE	Fish Habitat, Infrastructure	Important - Field Verification Needed	
Jurisdictional Boundaries	CityBoundaries	Yes	Base map	GDB/BaseMap	Kittitas County		SHP	Polygon		downloaded from county website	COMPLETE	Base Map	Base Map - No Field Verification	
PLSS	PLSS_Section, PLSS_Township	Yes	Base map	GDB/PLSS	BLM		GDB	Polygon			COMPLETE	Base Map	Not Required - No Field Verification Needed	
PLSS Section Ownership	Ownership_Poly	Yes	Base Map, Public Ownership	GDB/PLSS	BLM		GDB	Polygon	2014		COMPLETE	Base Map	Not Required - No Field Verification Needed	
Fish Presence Data	SWIFD_LLID	Yes	Fish Habitat	GDB/Habitat	WDFW		GDB	Polyline	2014	Historical and Existing	COMPLETE	Fish Habitat	Important - Field Verification Needed	
Stream Flow Gage Sites	Ellensburg_GuageSites, KCCD_Guage Sites, WSE_GuageSites_20140429	Yes	Fish Habitat, Water Quality	GDB/Hydro	Ellensburg, KCCD, WSE		GDB	Point			COMPLETE	Water Quality, Fish Habitat, FEMA Flood	Important - Field Verification Needed	
Ellensburg Stream Flow Data (2012, 2015)	Table: GDB - FlowDataEllensburg...	Yes	Fish Habitat, Water Quality	GDB (Top level)	Ellensburg		DBF	Tabular			COMPLETE	Water Quality, Fish Habitat, FEMA Flood	Important - Field Verification Needed	
KCCD Stream Flow Data (2003-2008, 2013-2014)	Table: GDB - FlowDataKCCD...	Yes	Fish Habitat, Water Quality	GDB (Top level)	KCCD		DBF	Tabular			COMPLETE	Water Quality, Fish Habitat, FEMA Flood	Important - Field Verification Needed	
Water Quality Pollutant Sites	FacilitySiteInteraction	Yes	Water Quality	GDB/WaterQuality	Washington State Department of Ecology		GDB	Point			COMPLETE	Water Quality	Important - Field Verification Needed	
Water Quality Data	WQ_303d_2012, WQ_305b_2012	Yes	Water Quality	GDB/WaterQuality	Washington State Department of Ecology		GDB	Polygon	2012	<a href="https://fortress.wa.gov/ecy/wrx/wrx/flows/station.asp?sta=39G060&amp;historical=true">https://fortress.wa.gov/ecy/wrx/wrx/flows/station.asp?sta=39G060&amp;historical=true</a>	COMPLETE	Water Quality	Important - Field Verification Needed	
Freshwater Beneficial Uses, Seasonal Supplemental Spawning and Egg Incubation Temperature Standards, Char Spawning and Incubation, Temperature, Salmon Spawning and Incubation, Seasonal Supplemental Temperature, Water Quality Standards	FreshwaterBeneficialUses_NHD_UseCdNr	Yes	Fish Habitat	GDB/Habitat	Washington State Department of Ecology		GDB	Polyline	2011	This dataset contains spatial and attribute information of the Water Quality Standards for Surface Waters of the State of Washington, Chapter 173-201A WAC. Four views of the WQ Standard are generated from this dataset, Freshwater Beneficial Uses, Seasonal Supplemental Spawning and Egg Incubation Temperature Standards, rules designated in Table 602, and exceptions to Table 602 listed in the footnotes. These data must be used in conjunction with other information in Ecology Publication No. 06-10-091 concerning when and where lake or marine standards take precedence over river and stream standards. The temperatures represented in these data represent the regulatory maximum threshold for the time period specified. This data is compatible with the high resolution NHD (National Hydrography Dataset) and can be used as a linear event.	COMPLETE	Water Quality, Fish Habitat	Important - Field Verification Needed	The Washington State Department of Ecology provides these geographic data "AS IS" WITHOUT A WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR USE, AND/OR NON-INFRINGEMENT.
Environmental Monitoring Locations	EIM	Yes	Fish Habitat	GDB/Hydro	Washington State Department of Ecology		GDB	Point			COMPLETE	Fish Habitat		
Environmental Monitoring Locations	EIM_Results	Yes	Fish Habitat	GDB (top level)	Washington State Department of Ecology		GDB	Tabular	2012		COMPLETE	Water Quality, Fish Habitat, FEMA Flood	Important - Field Verification Needed	
Fish Habitat Monitoring/Ecology	WA_DeptOfEcology_MonitoringSiteDetails	Yes	Fish Habitat	GDB/Habitat	Washington State Department of Ecology	Glenn Merritt	SHP	Point	Data received May 2015	9 monitoring sites related to 19 tables of biological and physical habitat data. (Invertebrate, Vertebrate, Chemistry, Metrics, Physical Habitat: Bearing, Collection Org, Data Collection Event, Densimeter, Fish Cover, GPS Position, Habitat Unit, Human Influence, Large Woody Debris, Primary/Secondary Transect Dimensions, Riparian, Side Channel, Substrate, Thalweg, Study Details)	COMPLETE	Fish Habitat, Water Quality	Important - Field Verification Needed	
HUC/Watershed Boundaries	Naneum_Wilson_Cherry_Creeks_Watershed	Yes	Base map, Modeling	GDB/Hydro	USDA NRCS		SHP	Polygon			COMPLETE	FEMA Flood, Base Map	Not Required - No Field Verification Needed	
Forest Practice Landslides	Forest_Practice_Landslides	Yes	Water Quality	GDB/USFS	USFS		GDB	Polygon	2003		COMPLETE	Water Quality	Not Required - No Field Verification Needed	DO NOT DISTRIBUTE
USFS Roads	Forest_Service_Roads	Yes	Base Map, Infrastructure (upper watershed only)	GDB/USFS	USFS		GDB	Polyline			COMPLETE	Base Map	Not Required - No Field Verification Needed	
WDFW Priority Habitat and Species	PHSRegion_PriorityHabAndSpecies	Yes	Habitat	GDB/WDFW	WA Dept of Fish & Wildlife		GDB	Polygon			COMPLETE	Base Map	Base Map - No Field Verification	
WDFW Salmonid Stock Survey	SASI_Salmonid_Stock_Survey	Yes	Fish Habitat	GDB/Habitat	WA Dept of Fish & Wildlife		GDB	Polyline			COMPLETE	Base Map	Base Map - No Field Verification	
Ellensburg Stream Culverts	stream_culverts_Ellensburg	Yes	Infrastructure	GDB/FishPassageBarriers	Kittitas County	Gordon Crane 509 962 7239	GDB	Polyline		According to Gordon Crane, these data are spatially inaccurate, but have accurate, up-to-date, attribute data.	COMPLETE	Fish Habitat, Water Quality	Important - Field Verification Needed	
Assessment Streams	AssessmentStreams	Yes	Existing Conditions	GDB/Hydro	Jacobs		GDB	Polyline			COMPLETE	All		
Assessment Streams - areas needing field verification	Areas_for_Field_verification	Yes	QC/Accuracy	GDB/FieldWork	Jacobs		GDB	Polygon	2015		COMPLETE	Hydrology	Important - Field Verification Needed	
River Miles	RiverMiles_20150909	Yes	Existing Conditions	GDB/RiverMiles	Jacobs		GDB	Point			COMPLETE	All		
Fish Passage Barriers	Fish_Passage_Barrier_Inventory	Yes	Infrastructure, Fish Habitat	Request from Jacobs	WDFW/WSDOT		GDB		2014	Incomplete data for county only represents WSDOT data	COMPLETE	Fish Habitat, Infrastructure	Important - Field Verification Needed	
Floodplains	FIRM_Floodplains, Floodway	Yes	Flood Conditions (accuracy/scale not ideal but currently no surrogate)	GDB/Hydro	FEMA, Kittitas County		SHP	Polygon		downloaded from county website; other source: <a href="https://msc.fema.gov/portal/advanceSearch">https://msc.fema.gov/portal/advanceSearch</a>	COMPLETE	FEMA Flood	Important - Field Verification Needed	
Zoning	Zoning	Yes	Base Map, Development Potential	GDB/Zoning	Kittitas County		SHP	Polygon		downloaded from county website	COMPLETE	Base Map	Not Required - No Field Verification Needed	
Airport and Airstrip Areas	AirportBoundary_Runway, Airstrips_centerline	Yes	Base Map Infrastructure	GDB/BaseMap	ESRI		GDB	Polygon, line	2012		COMPLETE	Base map	Not Required - No Field Verification Needed	
Road Crossings	RoadCrossings	Yes	Fish Habitat	GDB/FishPassageBarriers	WDFW		GDB	Point	2014		COMPLETE	Fish Habitat	Important - Field Verification Needed	
Fecal Coliform	FecalColiform_2011	Yes	Water Quality Conditions	GDB/WaterQuality	Kittitas County		GDB	Point	2011	generated from lat/long locations in Excel spreadsheet	COMPLETE	Water Quality	Important - Field Verification Needed	
Turbidity	Turbidity_2011	Yes	Water Quality Conditions	GDB/WaterQuality	Kittitas County		GDB	Point	2011	generated from lat/long locations in Excel spreadsheet	COMPLETE	Water Quality	Important - Field Verification Needed	
Water Temperature	Water_Temperature_2006	Yes	Water Quality Conditions	GDB/WaterQuality	Kittitas County		GDB	Point	2006	generated from lat/long locations in Excel spreadsheet	COMPLETE	Water Quality	Important - Field Verification Needed	
John Wayne Trail Culverts	Kittitas_JWPT_Culverts	Yes	Infrastructure Stream Crossings	GDB/FishPassageBarriers	WA State Parks and Recreation Commission	Kathryn Scott, GIS Coordinator	SHP	Point		Culverts under John Wayne Pioneer Trail in Kittitas County	COMPLETE	Infrastructure, Base Map	Base Map - No Field Verification	
John Wayne Trail Bridges	Kittitas_JWPT_Bridges	Yes	Infrastructure Stream Crossings	GDB/BaseMap	WA State Parks and Recreation Commission	Kathryn Scott, GIS Coordinator	SHP	Point		Bridges under John Way Pioneer Trail in Kittitas County	COMPLETE	Infrastructure, Base Map	Base Map - No Field Verification	
Stream Flow Data	Baseflow	No	Completeness (1 point in watershed on Naneum, adjacent to WSE gauge location)	GDB/Hydro	USGS, DOE		GDB	Point		USGS and DOE stream gage records Both active and inactive gage data, WSE can get the actual data, but it would be nice to see the gage locations on a map. <a href="http://maps.waterdata.usgs.gov/mapper/index.html">http://maps.waterdata.usgs.gov/mapper/index.html</a>	COMPLETE	Water Quality, Fish Habitat, FEMA Flood	Important - Field Verification Needed	
USFS Boundary	USFS_Boundary	No	Duplicates Ownership_Poly (slight differences)	GDB/USFS	USFS		GDB	Polygon			COMPLETE	Base Map	Not Required - No Field Verification Needed	

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USFS Trails	Forest_Service_Trails	No	Completeness (upper watershed only)	GDB/USFS	USFS		GDB	Polyline			COMPLETE		Not Required - No Field Verification Needed	
Roads	CountyRoads_2, Interstate, MajorHighways	No	Duplicates CountyRoads	GDB/BaseMap	Kittitas County		SHP, GDB	Polyline		downloaded from county website	COMPLETE	Infrastructure, Base Map	Base Map - No Field Verification Needed	
Railroads	Railroads_KittCoPublicWorks	No	Duplicate to Railroads_DOT	GDB/BaseMap	Kittitas County		GDB	Polyline			COMPLETE	Base Map	Not Required - No Field Verification Needed	
Steelhead Passage	SteelheadPassageOverTime	No	Completeness	GDB/Habitat	Yakima Basin Fish & Wildlife Recovery	Alex Conley	SHP	Polyline	Data received June 2015	Covers 75 miles of channel within three watersheds; double check w/Alex and Anna	COMPLETE	Fish Habitat	Important - Field Verification Needed	
Historical aerial photos	Aerial Photos	No	Relevancy (Historic Conditions)	Request from Jacobs	Kittitas County		TIF	Raster	1964, 1969, 1977, 1990	Inquire about LOE to orthorectify	COMPLETE	Base Map	Base Map - No Field Verification	DO NOT DISTRIBUTE
Stream Channels	KittitasCountyStreamCorrected	No	Accuracy	GDB/Hydro	Kittitas County		GDB	Polyline		Existing and historic side channels; downloaded from county website - modified by County 8/5/15	COMPLETE	Irrigation, Water Quality, Fish Habitat, FEMA Flood, Base Map	Important - Field Verification Needed	
The DNR water course (WC), water body (WB), and water shoreline (WS) datasets, collectively known as DNR HYDRO, make up the most up-to-date hydrography layer for the state of Washington.	DNR Water Type, wchydro	No	Accuracy	GDB/Hydro	Washington State Department of Natural Resources (DNR)		GDB	Polyline	2006		COMPLETE	Irrigation, Base Map	Base Map - No Field Verification	See DNR Agency Data Licence Agreement at: <a href="http://www.dnr.wa.gov/Publications/itd_see_license_agreement.pdf">http://www.dnr.wa.gov/Publications/itd_see_license_agreement.pdf</a>
Irrigation Channels and Ditch Locations	Canals_KC	No	Duplicate to Canals_KRD	GDB/Irrigation	Kittitas County		SHP	Polyline			COMPLETE		Important - Field Verification Needed	
Ellensburg Stream Cover	Ellensburg_Stream_Cover	No	Accuracy	GDB/Hydro	Kittitas County		SHP	Polyline		Data is being reworked by County to better align with DEM and imagery	COMPLETE	Irrigation, Infrastructure	Important - Field Verification Needed	
Jurisdictional Boundaries	CountyBoundary, UrbanGrowthAreas, CityBoundaries	No	Relevancy, Scale	GDB/BaseMap	Kittitas County		SHP	Polygon		downloaded from county website	COMPLETE	Base Map	Base Map - No Field Verification	
Land Use	LandUse	No	Relevancy, Scale	GDB/LandUse	Kittitas County		SHP	Polygon		downloaded from county website	COMPLETE	Base Map	Base Map - No Field Verification	
Recreational Facilities	Campgrounds, County_Trails, Trail_Heads	No	Relevancy	GDB/Recreation	Kittitas County, USFS		SHP	Point			COMPLETE	Base Map	Important - Field Verification Needed	
Building Footprints	BuildingFootprint	No	Relevancy	GDB/BaseMap	Kittitas County		SHP	Polygon			COMPLETE	Base Map	Base Map - No Field Verification	
BPA Utilities	Bonneville_Power_lines, Bonneville_Power_poles, Bonneville_Power_ROW	No	Relevancy	GDB/Utilities	KCCD		GDB	Polygon, Point, Line			COMPLETE	Infrastructure, Base Map	Base Map - No Field Verification	DO NOT DISTRIBUTE
Sensitive Areas	SensitiveAquaticAreas	No	Completeness (limited to highway ROW)	GDB/Habitat	WSDOT		SHP	Polyline		WSDOT Riparian, buffer, and Wetland no spray or limited maintenance zones	COMPLETE	Fish Habitat, Water Quality	Important - Field Verification Needed	DO NOT DISTRIBUTE
NWI Wetlands	Wetlands_NWI	No	Accuracy	GDB/Hydro	Kittitas County, NWI		GDB	Polygon			COMPLETE	Water Quality, FEMA Flood	Important - Field Verification Needed	
USDA Soil Data	Soils	No	Relevancy	GDB/Soils	USDA NRCS		GDB	Polygon		<a href="http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm">http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm</a>	COMPLETE	Base Map	Not Required - No Field Verification Needed	
General Vegetation	wnhp_curr, wnhp_hist	No	Completeness (limited to rare plants)	GDB/Vegetation	Washington Natural Heritage Program		SHP	Polygon		rare plants only	COMPLETE	Base Map	Not Required - No Field Verification Needed	
Crop Distribution WSDA	CropSections	No	Duplicates PLSS_Sections	GDB/Agriculture	Washington State Dept. of Agriculture		GDB	Polygon	2013		COMPLETE	Base Map	Not Required - No Field Verification Needed	
TMDL Boundaries	TMDL_Boundaries	No	Scale	GDB/WaterQuality	Washington State Department of Ecology		SHP	Polygon			COMPLETE	Water Quality	Base Map - No Field Verification	
Frequently Flooded Areas	FreqFloodAreas_WSDOT	No	Completeness (WSDOT crossings only)	GDB/Hydro	WSDOT		GDB	Polygon			COMPLETE	Base Map	Base Map - No Field Verification	
WDFW Vegetation	lc60_WDFW_GAP_veg	No	Scale	GDB/Vegetation	WA Dept of Fish & Wildlife		GDB	Polygon			COMPLETE	Base Map	Base Map - No Field Verification	
Ecology Water Rights Data	Road_Crossings	No	Completeness (WSDOT crossings only)	GDB/FishPassageBarriers	Washington State Department of Ecology		GDB	Point		These point data have relationship classes, containing tabular data. A pdf (in the root folder), contains more detail about each data point.	COMPLETE	Irrigation, Fish Habitat, Base Map	Important - Field Verification Needed	
Road Crossings	Crossings	No	Empty dataset	GDB/FishPassageBarriers			GDB	Point		Empty dataset	COMPLETE	Fish Habitat		
Creeks	Creeks_KCCD	No	Redundant	GDB/Hydro	Kittitas County		GDB	Polyline		Redundant - Use Assessment Streams	COMPLETE	Hydrology	Not Required - No Field Verification Needed	
Boat launches	WaterAccessSites_D	No	Relevancy	GDB/Hydro	WDFW		GDB	Point	2014		COMPLETE	Base Map	Not Required - No Field Verification Needed	
Wells	Wells	No	Relevancy	GDB/Hydro			GDB	Point			COMPLETE		Not Required - No Field Verification Needed	
Irrigation Districts	Irrigation_Districts	No	Relevancy	GDB/Irrigation	Kittitas County		GDB	Polygon			COMPLETE	Irrigation		
Ambient Water Quality Monitoring Locations	Ambient	No	Completeness (1 point in watershed)	GDB/WaterQuality	Washington State Department of Ecology		GDB	Point			COMPLETE	Water Quality	Important - Field Verification Needed	
Flood, erosion, and sedimentation hazard locations											HIGH	FEMA Flood, Fish Habitat	Important - Field Verification Needed	
Flood and Erosion Control Facilities											HIGH	FEMA Flood, Fish Habitat	Important - Field Verification Needed	
Historic Flood Sites and Inundation Areas											HIGH	FEMA Flood, Fish Habitat, Water Quality	Important - Field Verification Needed	
Water Rights Data					KCCD, WWT					Water Rights Tracking System and water rights confirmed in the Conditional Final Order for the adjudication	HIGH	Irrigation, Fish Habitat, Base Map	Important - Field Verification Needed	
Fish Habitat Improvement Projects										All completed projects	HIGH	Fish Habitat	Important - Field Verification Needed	
Channel Migration Zones					Kittitas County						MEDIUM	Irrigation	Important - Field Verification Needed	
Riparian and Aquatic habitat										Needs location and condition	MEDIUM	Water Quality, Fish Habitat	Important - Field Verification Needed	
Flood History and Photos											MEDIUM	FEMA Flood	Important - Field Verification Needed	
Post Forest Fire Sediment/Runoff model results					USFS						MEDIUM	Water Quality	Important - Field Verification Needed	
TMDL Monitoring Reports											MEDIUM	Water Quality	Important - Field Verification Needed	
Irrigation Studies											MEDIUM	Irrigation	Important - Field Verification Needed	
Groundwater reports										<a href="http://www.ecy.wa.gov/programs/wr/hc/yrb-gws.html">http://www.ecy.wa.gov/programs/wr/hc/yrb-gws.html</a>	LOW	Water Quality	Not Required - No Field Verification Needed	
Groundwater data											LOW	Water Quality	Not Required - No Field Verification Needed	
Surficial Geology										Maps and Report	LOW	Base Map	Not Required - No Field Verification Needed	