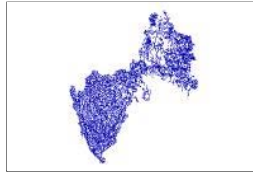


KLAMATH BASIN SUBSET OF: StreamNet Mixed Scale Hydrography (MSHV3.1) - updated September, 2012

File Geodatabase Feature Class



Tags

Pacific Northwest, west coast, Columbia River Basin, Washington, Oregon, Idaho, Montana, California, inlandWaters, hydrography, environment

Summary

THIS IS A KLAMATH BASIN SUBSET OF THE MSHV3.1 DATASET DESCRIBED BELOW: The primary purpose of this dataset is to provide a whole-stream route system ideal for storing, organizing, and displaying stream related fisheries and habitat data across the Pacific Northwest and California at the best practically available source scale. An on-going effort involves improving the resolution of the source datasets that makeup this regional layer. In addition to providing a regionally standard linear referencing system, StreamNet's Mixed Scale Hydrography v3.1 (MSHV3.1) can support many different types of GIS analysis including: buffering around reaches, stream network routing, and basin characteristics analysis.

Description

This whole-stream routed hydrography layer serves as the base hydrography for the StreamNet project's Linear Referencing System (LRS). StreamNet uses this layer to reference fisheries and aquatic related data compiled across the Pacific Northwest Region. Routes are based on whole streams uniquely identified via the LLID attribute. The route system is measured in feet to the nearest integer. To distinguish this hydrography layer from previously used systems, StreamNet refers to it as Mixed-Scale Hydrography - version 3.1, or "MSHV3.1". At version 1: This dataset includes all routed streams present in the PNW River Reach Files (PNWRF3), StreamNet's original 1:100k base hydrography layer. In addition, those features within the state of Washington are depicted at a higher resolution (1:24k scale or finer) and densified to include all named streams present in and sourced from Washington Department of Fish and Wildlife's 1:24k+ hydrography layer along with additional unnamed streams from that source where fish data exists and is compiled across the region. At MSHV1, the extent of StreamNet's regional hydrography was expanded and integrated with the 1:100k scale routed hydrography for California (CalHydro). While the StreamNet project does not manage fish data for California, the integration of California hydrography facilitates collaboration with StreamNet's partner project, "CalFISH". For more information about the CalFISH project, visit <http://www.CalFISH.org> At version 2: All features within the state of Oregon are now also depicted at the higher resolution (1:24k+) based on linework provided by Oregon Department of Fish and Wildlife and originally sourced from the Pacific Northwest Hydrography Framework (PNWHF) dataset. For the most part, linework from this source is coincident with the High-Resolution (24k+) National Hydrography Dataset (HR-NHD). Version 3 and minor releases primarily capture additional streams as needed to reference fish data submitted by partners. Future versions of this dataset will incorporate higher resolution source linework within the states of Idaho and Montana with a trend toward using linework that is essentially coincident with that found in the HR-NHD. For more information about the source data contributing to this dataset, see the entity attribute and lineage sections of this metadata record. For more information about the StreamNet Project, see the supplemental information section of this metadata record or visit <http://www.StreamNet.org>

Credits

StreamNet Project, Pacific States Marine Fisheries Commission, Portland, Oregon

Use limitations

There are no access and use limitations for this item.

Extent

West -124.292535 **East** -120.505993
North 43.372334 **South** 40.079505

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ▶

Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE environment, inlandWaters

* CONTENT TYPE Downloadable Data

PLACE KEYWORDS Pacific Northwest, west coast, Columbia River Basin, Washington, Oregon, Idaho, Montana, California

THESAURUS ▶
 TITLE StreamNet

[Hide Thesaurus ▲](#)

THEME KEYWORDS inlandWaters, hydrography, environment

THESAURUS ▶
 TITLE ESRI Geography Network Thesaurus

[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

Citation ▶

TITLE KLAMATH BASIN SUBSET OF: StreamNet Mixed Scale Hydrography (MSHV3.1) - updated September, 2012
 CREATION DATE 2012-01-15 00:00:00
 PUBLICATION DATE 2012-01-15 00:00:00
 REVISION DATE 2012-01-15 00:00:00

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Citation Contacts ▶

RESPONSIBLE PARTY
 ORGANIZATION'S NAME StreamNet Project, Pacific States Marine Fisheries Commission
 CONTACT'S ROLE publisher

CONTACT INFORMATION ▶

ADDRESS
 DELIVERY POINT Portland, Oregon

[Hide Contact information ▲](#)

RESPONSIBLE PARTY
 ORGANIZATION'S NAME StreamNet Project, Pacific States Marine Fisheries Commission
 CONTACT'S ROLE originator

[Hide Citation Contacts ▲](#)

Resource Details ▶

DATASET LANGUAGES English (UNITED STATES)
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS under development
 SPATIAL REPRESENTATION TYPE * vector

SUPPLEMENTAL INFORMATION

StreamNet is a cooperative information management and dissemination project focused on fisheries and aquatic related data in the Columbia River basin and the Pacific Northwest. The project provides a variety of data related to fish resources and maintains a whole-stream routed hydrography layer for the Pacific Northwest. Information from the project is available through on-line database query, interactive maps, direct data download or by custom request. StreamNet receives funding from the Bonneville Power Administration (BPA Project No.: 198810804) and is authorized under the Fish and Wildlife Program of the Northwest Power and Conservation Council. Other organizations provide funding for select project components. Participating agencies contribute significant in-kind services and include: the Oregon Dept. of Fish and Wildlife (ODFW), Washington Dept. of Fish and Wildlife (WDFW), Idaho Dept. of Fish and Game (IDFG), Montana Fish, Wildlife and Parks (MFWP), U.S. Fish and Wildlife Service (USFWS), and the Columbia River Inter-Tribal Fisheries Commission (CRITFC). The StreamNet project is managed by the Pacific States Marine Fisheries Commission in Portland, Oregon.

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.1.1.3143

CREDITS

StreamNet Project, Pacific States Marine Fisheries Commission, Portland, Oregon

ARCGIS ITEM PROPERTIES

* NAME KlamathBasin_MSHv3
 * LOCATION file:///Lahontan/c/FTP/Public/pub/streamnet/GIS/TempDeleteOften/StreamNet_Hydrography.gdb
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ▶

EXTENT

DESCRIPTION
 publication date

TEMPORAL EXTENT
 DATE AND TIME 2010-02-01

VERTICAL EXTENT
 * MINIMUM VALUE 0.000000
 * MAXIMUM VALUE 0.000000

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE
 EXTENT TYPE Extent used for searching
 * WEST LONGITUDE -124.292535
 * EAST LONGITUDE -120.505993
 * NORTH LATITUDE 43.372334
 * SOUTH LATITUDE 40.079505
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 1059214.785538
 * EAST LONGITUDE 2019118.723066
 * SOUTH LATITUDE -252342.179629
 * NORTH LATITUDE 887282.790520
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ▶

POINT OF CONTACT

INDIVIDUAL'S NAME Van C. Hare
 ORGANIZATION'S NAME StreamNet Project, Pacific States Marine Fisheries Commission
 CONTACT'S POSITION StreamNet Project, Regional GIS Manager
 CONTACT'S ROLE point of contact

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TYPE postal
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 ADMINISTRATIVE AREA OR
 POSTAL CODE 97202
 COUNTRY US
 E-MAIL ADDRESS StreamNetGIS@psmfc.org

HOURS OF SERVICE Monday - Friday, 9am -5pm
 CONTACT INSTRUCTIONS
 Email is the preferred mode of contact.

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE
 UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS
 LIMITATIONS OF USE
 None

OTHER CONSTRAINTS
 Public, Tribal Enterprises, Tribal Government, Individual Authorized Users

SECURITY CONSTRAINTS
 CLASSIFICATION SYSTEM PSMFC

ADDITIONAL RESTRICTIONS Public data is accessible to all requester categories, including the General Public, with limited to no restrictions.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM
 *TYPE Projected
 *GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
 *PROJECTION NAD_1983_Lambert_Conformal_Conic
 *COORDINATE REFERENCE DETAILS
 PROJECTED COORDINATE SYSTEM
 X ORIGIN -116312800
 Y ORIGIN -97116800
 XY SCALE 37746156.551271074
 Z ORIGIN 0
 Z SCALE 1
 M ORIGIN -100000
 M SCALE 10000
 XY TOLERANCE 0.0032808333333333335
 Z TOLERANCE 2
 M TOLERANCE 2
 HIGH PRECISION true
 WELL-KNOWN TEXT PROJCS["NAD_1983_Lambert_Conformal_Conic",GEOGCS["GCS_North_American_1983",DATUM
 ["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
 ["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2999999.999988],PARAMETER
 ["False_Northing",0.0],PARAMETER["Central_Meridian",-117.0],PARAMETER["Standard_Parallel_1",42.3333333333334],PARAMETER
 ["Standard_Parallel_2",48.66666666666666],PARAMETER["Latitude_Of_Origin",41.0],UNIT["Foot_US",0.3048006096012192]]

REFERENCE SYSTEM IDENTIFIER
 *VALUE 0

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►
 *LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS
 FEATURE CLASS NAME KlamathBasin_MSHv3
 *OBJECT TYPE composite
 *OBJECT COUNT 4536

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►
 FEATURE CLASS NAME KlamathBasin_MSHv3
 *FEATURE TYPE Simple
 *GEOMETRY TYPE Polyline
 *HAS TOPOLOGY FALSE
 *FEATURE COUNT 4536
 *SPATIAL INDEX TRUE
 *LINEAR REFERENCING TRUE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ▶

SCOPE OF QUALITY INFORMATION ▶
 RESOURCE LEVEL **dataset**

[Hide Scope of quality information](#) ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ▶
 MEASURE DESCRIPTION **ESRI feature type: Simple, Geometry: Polyline, Topology:**

[Hide Data quality report - Conceptual consistency](#) ▲

DATA QUALITY REPORT - COMPLETENESS OMISSION ▶
 MEASURE DESCRIPTION **Data set has been visually inspected. All data produced strives to meet National Mapping Accuracy Standards (NMAS).**

[Hide Data quality report - Completeness omission](#) ▲

[Hide Data Quality](#) ▲

Lineage ▶

PROCESS STEP ▶
 DESCRIPTION **Create MSHv2 : All Steps - Edited MSHv1 to incorporate higher resolution linework contributed by ODFW . Linework from MSHv1 within the state of Oregon and some cross-border streams were replaced with new higher resolution linework sourced from ODFW's 'Oregon Mixed Scale Hydrography' layer. This source dataset is primarily a derivation of the Pacific Northwest Framework Hydrography dataset. It is a subset out of the Framework hydrography dataset designed to include all stream features present within the 1:100k scale PNW Hydrography dataset, all named 1:24k+ scale streams and all unnamed 1:24+ scale streams where aquatic resource information exists. Regional StreamNet staff took the following steps to incorporate this data into MSHv2: 1) Starting with the published MSHv1, linework within the state of Oregon was reviewed and cross-border streams shared with Washington, Idaho and California were evaluated to determine the best means of splicing the new linework into the existing route system. This review process involved discussions with StreamNet partners in OR, WA, and ID. 2) Rather than edge-matching linework from different data sources at version 2, we decided to leave the geometry disconnected in the cases where higher resolution (1:24k+) linework sourced from ODFW meets up with lower resolution (1:100k) linework from the original PNWRF3 dataset. This mainly occurs along the mainstem Columbia and Snake Rivers. This shortcoming in the dataset will be resolved in version 3 at which point mainstem rivers will likely be depicted using linework compatible with High Resolution NHD (HR-NHD). Users should note that this is a cartographic shortcoming that does not affect the functioning of the route system for linear referencing purposes. 3) Feature-level metadata fields were added to track the source of route feature geometry (GeomSrc), measures (MeasSrc), and LLID attributes (LLIDSrc). See the data dictionary for details. 4) Location cross referencing fields were added to allow quick spatial filtering of streams and speed creation of StreamNet's internal "LocXTables". 5) Resulting product went through further QA/QC with some corrections, mainly to feature attributes, names, etc. Metadata updated and first draft published for review by partner agencies.**

SOURCE DATA ▶
 RELATIONSHIP TO THE PROCESS STEP **used**

SOURCE CITATION ▶
 ALTERNATE TITLES **Hydrort_MSHv1**

[Hide Source citation](#) ▲

[Hide Source data](#) ▲

SOURCE DATA ▶
 RELATIONSHIP TO THE PROCESS STEP **produced**

SOURCE CITATION ▶
 ALTERNATE TITLES **Hydrort_MSHv2**

[Hide Source citation](#) ▲

[Hide Source data](#) ▲

[Hide Process step](#) ▲

PROCESS STEP ▶
 DESCRIPTION **Create MSHv3 : All Steps - Edited MSHv2 to incorporate additional higher resolution linework contributed by ODFW and exchange some features in Washington (primarily in the Walla Walla subbasin) based on geometry submitted by WDFW. QA/QC process found the need to remeasure some routes. Attribute improvements were also made. Note that Eastern portion of Montana is provided for convenience but route identification and measures are based on those used internally by MFWP.**

[Hide Process step](#) ▲

PROCESS STEP ▶
 DESCRIPTION **MSHv3.1 All Steps - Edited MSHv3 to incorporate additional higher resolution linework contributed by ODFW and MFWP. QA/QC process found the need to remeasure some routes. Attribute improvements were also made. Note that Eastern portion of Montana is still provided for convenience but route identification and measures are based on those used internally by MFWP. 595 Streams were edited and/or replaced at this minor version release.**

[Hide Process step](#) ▲

PROCESS STEP ▶
 WHEN THE PROCESS OCCURRED **2008-04-23 00:00:00**
 DESCRIPTION **Create MSHv1: Step 4 - Assign attributes and QC first draft dataset. The LLID field is used as a key to crosswalk and standardize feature attributes from the multiple sources. Included in this process was the addition of information about the logical stream network - assigning Tributary IDs and Names from existing tables managed by StreamNet partners and the regional office. Additional fields used for internal QC routines were also added and populated as part of the review process. This first review included initial testing of the LRS by WDFW and ODFW**

PROCESS CONTACT
 INDIVIDUAL'S NAME **Van C. Hare**
 ORGANIZATION'S NAME **StreamNet Project, Pacific States Marine Fisheries Commission**
 CONTACT'S POSITION **GIS Manager**

CONTACT'S ROLE processor

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SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES MSHv1_pre

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION ▶

ALTERNATE TITLES MSHv1 (first draft)

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2008-04-23 00:00:00

DESCRIPTION Create MSHv1: Step 2 - Appended WDFW's "strmsh" dataset to the previously compiled PNWRF3 data. Edgematched and merged routes where necessary and rebuilt routes using the ArcGIS 'Create Routes' Linear Referencing Tool (which requires from-measure and to-measure fields).

PROCESS CONTACT

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SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES WDFW "strmsh" & ORIDMT

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION ▶

ALTERNATE TITLES ORIDMTWA

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2008-04-23 00:00:00

DESCRIPTION Create MSHv1: Step 1 - Best available PNWRF3 datasets were collected and appended for Idaho, Oregon and western Montana. The latest working copies of the PNWRF3 were obtained from StreamNet partners to capture mostly minor corrections that have been made through time and

include them in the MSHv1. Updates were received from IDFG (ArcInfo coverage, "idfg_snhydro") and MFWP (measured shapefile, "strm_rts"). Route features were appended for ID, MT and OR. Attributes for BegFt and LengthFt were retained to maintain flow direction and permit the rebuilding of routes using the ArcGIS 'Create Routes' Linear Referencing Tool (which requires from-measure and to-measure fields).

PROCESS CONTACT

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SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES PNWRF3

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION ▶

ALTERNATE TITLES ORIDMT

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2008-04-23 00:00:00

DESCRIPTION Create MSHv1: Step 3 - Appended CalHydro dataset to output of process step 2. Edgematched and merged routes where necessary and rebuilt routes using the ArcGIS 'Create Routes' Linear Referencing Tool (which requires from-measure and to-measure fields). Note that areas of overlap exist between the PNWRF3 and CalHydro source datasets. Source features were selected based on the direction of flow within a HUC4. Streams flowing south into California were pulled from the CalHydro dataset where possible and those flowing north into Oregon were sourced from the PNWRF3. For the Klamath River, a source split was made at the outlet of Upper Klamath Lake. LLIDSRG and MEASSRC fields in the final product are useful for tracking the lineage of individual features. After this final data source was integrated, all routes were remeasured based on the newly refreshed BegFt and LengthFt fields. For the non-California sourced features, these measures are based on an integer version of the actual route lengths based on the MSHv1 projection (StreamNet Lambert, NAD83). For the CalHydro sourced features, BegFt and LengthFt values remain based on the values present in the original source dataset (which was determined using California's Teale Albers projection, NAD83). This was done purposefully to enable existing CalFISH event data to be mapped using the MSHv1 directly.

PROCESS CONTACT

INDIVIDUAL'S NAME Van C. Hare
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SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES CalHydro (CDFG_100k_2003_6.shp) & ORIDMTWA

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION ►
ALTERNATE TITLES MSHv1_pre

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2008-04-23 00:00:00

DESCRIPTION Create MSHv1: Step 5 - Second draft review, included correction of some stream and tributary naming errors, merging of some route features, rebuilding and remeasuring of routes where necessary and additional QC commenting. This current version is under review for more thorough testing and migration of existing StreamNet LRS event tables.

PROCESS CONTACT

INDIVIDUAL'S NAME Van C. Hare
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CONTACT'S POSITION GIS Manager
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SOURCE DATA ►

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ►
ALTERNATE TITLES MSHv1 (first draft)

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

SOURCE DATA ►

RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION ►
ALTERNATE TITLES MSHv1 (second draft)

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2008-07-23 00:00:00

DESCRIPTION Create MSHv1: Step 6 - Correction of issues identified in 2nd draft and improved attribution. The main changes include QC of stream name and TribID information and remeasurement of a number of streams near the Oregon/California border. These streams are readily identifiable by selecting GISHook = 42. In draft 2 of this dataset, these streams were measured based on their CalHydro measure system (based on Teale Albers projection). At draft 3, they have been re-measured based on the StreamNet Lambert projection to minimize the impact on linear event data managed by ODFW. Additional notes and internal codes to support QA/QC were also added at draft 3. In some cases these attributes will be stripped from the final publication dataset.

PROCESS CONTACT

INDIVIDUAL'S NAME Van C. Hare
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SOURCE DATA ►

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ►
ALTERNATE TITLES MSHv1 (draft 2)

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

SOURCE DATA ►
RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION ►
ALTERNATE TITLES MSHv1 (draft 3)

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ►
WHEN THE PROCESS OCCURRED 2009-02-01 00:00:00
DESCRIPTION Create MSHv1: Step 7 - A few final route edits before final release of this dataset as version 1. Route edits correcting gaps or overlaps were made to: Owhyhee R (1170244438120), Flathead River (1147748473651), NF Flathead River (1140717484691), MF Flathead River (1140688484681). Metadata was updated and data exported to publication versions. Official release of MSHv1.

PROCESS CONTACT
INDIVIDUAL'S NAME Van C. Hare
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SOURCE DATA ►
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ►
ALTERNATE TITLES MSHv1 (draft 3)

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

SOURCE DATA ►
RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION ►
ALTERNATE TITLES Hydrort_MSHv1 (1st published version)

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

SOURCE DATA ►
DESCRIPTION The majority of the linework and measures for watercourses within the state of California are sourced from this dataset. Feature-level metadata exists - see Entity Attribute section of this metadata record for more information.

SOURCE MEDIUM NAME online link
RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 0

SOURCE CITATION ►
TITLE CalHydro, 1:100k LLID routed streams
ALTERNATE TITLES CalHYDRO
PUBLICATION DATE 2003-09-15

PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

OTHER CITATION DETAILS Source data was a measured shapefile

RESPONSIBLE PARTY
ORGANIZATION'S NAME CalFISH project, California Dept. of Fish and Game and the Pacific States Marine Fisheries Commission
CONTACT'S ROLE originator

RESOURCE LOCATION ONLINE
LOCATION <http://www.CalFISH.org>

[Hide Source citation ▲](#)

EXTENT OF THE SOURCE DATA
DESCRIPTION

publication date

[Hide Source data ▲](#)

SOURCE DATA ▶

DESCRIPTION Source linework and route attributes for hydrography features in Idaho and western Montana. Linework for mainstem rivers flowing into or from Canada was provided by IDFG as an enhancement to the original PNWRF3. Feature-level metadata exists - see Entity Attribute section of this metadata record for more information. Features from the best available version of this source were edgematched and appended together with a subset of WDFW's 24K Streams layer and the CalHydro dataset. Finally, routes were merged and rebuilt where necessary and all whole-stream routes were remeasured. See process steps in the lineage section of this metadata record for more information.

SOURCE MEDIUM NAME online link
RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 0

SOURCE CITATION ▶

TITLE PNW River Reach Files (PNWRF3), 1:100k LLID Routed Streams
ALTERNATE TITLES PNWRF3
PUBLICATION DATE 2008-04-23

PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

OTHER CITATION DETAILS Includes best available updates of the PNWRF3 obtained from StreamNet partner agencies in Oregon, Idaho and Montana. Updates from Montana were contributed as a measured shapefile, while Oregon and Idaho features were contributed as route features in an ArcInfo coverage. Original arc attributes are archived but only route features exist in the MSHv1 (and subsequently, MSHv2). This source dataset served as the basis for referencing StreamNet data in the past (1997-2008). It continues to be archived and will remain available online at http://www.streamnet.org/mapping_apps.html

RESPONSIBLE PARTY
ORGANIZATION'S NAME StreamNet Project, Pacific States Marine Fisheries Commission
CONTACT'S ROLE originator

RESOURCE LOCATION ONLINE
LOCATION http://www.streamnet.org/mapping_apps.html

[Hide Source citation ▲](#)

EXTENT OF THE SOURCE DATA
DESCRIPTION

publication date

TEMPORAL EXTENT
DATE AND TIME 2008-04-23

[Hide Source data ▲](#)

SOURCE DATA ▶

DESCRIPTION Linework within the state of Washington was sourced from this dataset. Feature-level metadata exists - see Entity Attribute section of this metadata record for more information.

SOURCE MEDIUM NAME online link
RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 0

SOURCE CITATION ▶

TITLE WDFW Mixed-scale hydrography, select 1:24k LLID routed streams
ALTERNATE TITLES WDFWMSH
PUBLICATION DATE 2007-01-25

PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

OTHER CITATION DETAILS This source is a subset of WDFW's complete 24K Streams layer to include all streams within the state that were previously present in the PNWRF3 streams layer (1:100k), all named 24k streams, and all unnamed 24k streams for which aquatic resource information exists. This dataset was compiled and submitted to PSMFC StreamNet by Martin Hudson, WDFW.

RESPONSIBLE PARTY
ORGANIZATION'S NAME Martin Hudson, Washington Department of Fish and Wildlife
CONTACT'S ROLE originator

[Hide Source citation ▲](#)

EXTENT OF THE SOURCE DATA
DESCRIPTION

publication date

TEMPORAL EXTENT
DATE AND TIME 2007-01-25

[Hide Source data ▲](#)

SOURCE DATA ▶

DESCRIPTION Oregon Dept. of Fish and Wildlife Mixed-Scale Hydrography dataset submitted by Jon Bowers of ODFW. This dataset provides a

representation of the watercourses within the Oregon portion of the Columbia basin. It is primarily a derivation of the Pacific Northwest Framework Hydrography dataset. The streams that have been subset out of the Framework hydrography dataset to create this dataset include all records present within the 1:100kscale PNW Hydrography dataset, named 1:24k+ scale streams and unnamed 1:24k+ scale streams where aquatic resource information exist.

SOURCE MEDIUM NAME [online link](#)
 RESOLUTION OF THE SOURCE DATA
 SCALE DENOMINATOR 0

SOURCE CITATION [▶](#)
 TITLE [Oregon Dept. of Fish and Wildlife Mixed-Scale Hydrography](#)
 ALTERNATE TITLES [ODFWMSH](#)
 PUBLICATION DATE [2009-09-15](#)

PRESENTATION FORMATS [digital map](#)
 FGDC GEOSPATIAL PRESENTATION FORMAT [vector digital data](#)

RESPONSIBLE PARTY
 ORGANIZATION'S NAME [Jon Bowers, Oregon Department of Fish and Wildlife](#)
 CONTACT'S ROLE [originator](#)

[Hide Source citation ▶](#)

EXTENT OF THE SOURCE DATA
 DESCRIPTION
 publication date

TEMPORAL EXTENT
 DATE AND TIME [2009-09-15](#)

[Hide Source data ▶](#)

[Hide Lineage ▶](#)

Geoprocessing history ▶

PROCESS

PROCESS NAME

DATE [2011-07-28 13:23:04](#)

TOOL LOCATION [C:\Program Files \(x86\)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append](#)

COMMAND ISSUED

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Append WDFW20110304MSH3subbasin83and44 Hydrort_MSHv3b NO_TEST "LocationID "LocationID" true true false 13 Text 0
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\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,Name,-1,-1;GNIS_ID "GNIS_ID" true true false 10 Text 0
0 ,First,#;GNIS_Name "GNIS_Name" true true false 65 Text 0 0 ,First,#;LengthFt "LengthFt" true true false 8 Double 0
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\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,TribID,-1,-1;TribToName "TribToName" true true false 60 Text 0
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\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,TribFt,-1,-1;LocSubTypeID "LocSubTypeID" true true false 8 Double 0
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"GISNote" true true false 100 Text 0 0 ,First,#,D:\Workspace\Hydro\MSHv2\WDFW20110304MSH3
\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,GISNote,-1,-1;OldNotes "OldNotes" true true false 25 Text 0
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1;CountyCode "CountyCode" true true false 5 Text 0 0 ,First,#,D:\Workspace\Hydro\MSHv2\WDFW20110304MSH3
\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,CountyCode,-1,-1;NPCC_ProvinceID "NPCC_ProvinceID" true true false 2
Short 0 0 ,First,#,D:\Workspace\Hydro\MSHv2\WDFW20110304MSH3
\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,NPCC_ProvinceID,-1,-1;NPCC_Subbasin2001ID "NPCC_Subbasin2001ID" true true
false 2 Short 0 0 ,First,#,D:\Workspace\Hydro\MSHv2\WDFW20110304MSH3
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Short 0 0 ,First,#,D:\Workspace\Hydro\MSHv2\WDFW20110304MSH3
\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,SN_Region2001,-1,-1;HUC_2 "HUC_2" true true false 2 Text 0
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\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,HUC_4,-1,-1;HUC_6 "HUC_6" true true false 6 Text 0
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"HUC_8" true true false 8 Text 0 0 ,First,#,D:\Workspace\Hydro\MSHv2\WDFW20110304MSH3
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"HUC_12" true true false 12 Text 0 0 ,First,#,D:\Workspace\Hydro\MSHv2\WDFW20110304MSH3
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0 ,First,#;WC_LLID_NR "WC_LLID_NR" true true false 13 Text 0 0 ,First,#;WC_GNIS_NM "WC_GNIS_NM" true true false 50 Text 0
0 ,First,#;WC_GNIS_NR "WC_GNIS_NR" true true false 4 Long 0 0 ,First,#;namechange "namechange" true true false 2 Short 0
0 ,First,#;line_src "line_src" true true false 5 Text 0 0 ,First,#;instate "instate" true true false 2 Short 0 0 ,First,#;edit
"edit" true true false 10 Text 0 0 ,First,#;TRIBID_1 "TRIBID_1" true true false 13 Text 0 0 ,First,#;TRIBTONAME_1 "TRIBTONAME_1"
true true false 60 Text 0 0 ,First,#;TRIBFT_1 "TRIBFT_1" true true false 4 Long 0 0 ,First,#;LOCTYPE "LOCTYPE" true true false 2
Short 0 0 ,First,#;LOCSUBTYPE "LOCSUBTYPE" true true false 2 Short 0 0 ,First,#;UpdDate "UpdDate" true true false 8 Text 0
0 ,First,#;LLIDsrc_1 "LLIDsrc_1" true true false 8 Text 0 0 ,First,#;rte_length "rte_length" true true false 8 Double 0
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```

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0 ,First,#;LocSubTypeID_1 "LocSubTypeID_1" true true false 8 Double 0 0 ,First,#;PreviousName_1 "PreviousName_1" true true
false 50 Text 0 0 ,First,#;PrevMaxMeas_1 "PrevMaxMeas_1" true true false 8 Double 0 0 ,First,#;MaxMeasDif_1 "MaxMeasDif_1" true
true false 8 Double 0 0 ,First,#;GeomSrc_1 "GeomSrc_1" true true false 20 Text 0 0 ,First,#;MeasSrc_1 "MeasSrc_1" true true
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1;State_1 "State_1" true true false 2 Text 0 0 ,First,#;StateCode_1 "StateCode_1" true true false 2 Text 0
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false 2 Short 0 0 ,First,#;NPCC_Subbasin2001ID_1 "NPCC_Subbasin2001ID_1" true true false 2 Short 0 0 ,First,#;SN_Region2001_1
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true false 4 Text 0 0 ,First,#;HUC_67 "HUC_67" true true false 6 Text 0 0 ,First,#;HUC_89 "HUC_89" true true false 8 Text 0
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\WDFW20110304MSH3.gdb\WDFW20110304MSH3subbasin83and44,NOTE4MSH2geomsrc,-1,-1;Shape_Length "Shape_Length" false true true 8
Double 0 0 ,First,#;D:\WorkSpace\Hydro\MSHV2\WDFW20110304MSH3
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```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-07-28 13:27:24

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3b SrcContact "LS" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-07-28 13:28:07

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3b CompilerID 1 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-07-28 13:28:25

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3b GISHook 304 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-07-28 13:28:39

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3b GISHook 728 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-07-28 13:30:00

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3b GISNote "Replaced/Added to MSHv3 based on WDFW Submission from 20110304" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-07-28 13:31:10

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3b GISNote "Replaced/Added to MSHv3 based on WDFW Submission from 20110304 (spliced with FW LW to fix gap in submission)" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-07-28 13:32:01

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3b GISNote "Replaced/Added to MSHv3 based on WDFW Submission from 20110304 (spliced with FW LW to fix gap)" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-07-28 13:33:50

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3b GeomSrc "WDFW (HR-NHD)" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2011-09-13 11:07:19

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv3_2ndDraft_edits Instructions4Van "DELETE" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-13 11:08:20
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits Instructions4Van "REVIEW SPLICE PER ODFW" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-21 08:52:27
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits Instructions4Van "Fix Name = Balch Creek" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-27 09:51:16
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits GISDate 20110915 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-27 09:52:15
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits Instructions4Van "Remeasured to fix meas error in upper spliced section" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-27 09:52:39
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
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 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-27 12:29:00
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits LocSubTypeID 130 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-27 12:30:29
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits LocSubTypeID 130 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-27 12:31:16
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits LocSubTypeID 130 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-28 14:21:25
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits Instructions4Van "[Instructions4Van] & " (updated attributes)" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-28 14:22:23
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits Instructions4Van "Fix name = Balch Creek (LocMaster)" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-28 14:23:00
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits Instructions4Van "[Instructions4Van] & " as is for now" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2011-09-28 14:23:37
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv3_2ndDraft_edits Instructions4Van "Review splice per ODFW request (check-in w/IDFG)" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2011-09-28 15:12:21
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append
COMMAND ISSUED
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false 100 Text 0 0 ,First,#,D:\WorkSpace\Hydro\MSHV3\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,WC_GNIS_NM,-1,-
1;GNIS_ID "GNIS_ID" true true false 10 Text 0 0 ,First,#,D:\WorkSpace\Hydro\MSHV3
\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,WC_GNIS_NR,-1,-1;GNIS Name "GNIS Name" true true false 65 Text 0
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true true false 8 Double 0 0 ,First,#,D:\WorkSpace\Hydro\MSHV3\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,LengthFt,-
1,-1;TribID "TribID" true true false 13 Text 0 0 ,First,#,D:\WorkSpace\Hydro\MSHV3
\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,TRIBID,-1,-1;TribToName "TribToName" true true false 60 Text 0
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true false 8 Double 0 0 ,First,#,D:\WorkSpace\Hydro\MSHV3\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,TRIBFT,-1,-
1;LocSubTypeID "LocSubTypeID" true true false 8 Double 0 0 ,First,#,D:\WorkSpace\Hydro\MSHV3
\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,LOCSUBTYPE,-1,-1;PreviousName "PreviousName" true true false 50 Text 0
0 ,First,#;PrevMaxMeas "PrevMaxMeas" true true false 8 Double 0 0 ,First,#;MaxMeasDif "MaxMeasDif" true true false 8 Double 0
0 ,First,#;GeomSrc "GeomSrc" true true false 20 Text 0 0 ,First,#;MeasSrc "MeasSrc" true true false 50 Text 0
0 ,First,#;LLIDSrc "LLIDSrc" true true false 50 Text 0 0 ,First,#,D:\WorkSpace\Hydro\MSHV3
\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,LLIDsrc,-1,-1;SrcUpdDate "SrcUpdDate" true true false 8 Text 0
0 ,First,#,D:\WorkSpace\Hydro\MSHV3\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,UpdDate,-1,-1;SrcContact "SrcContact"
true true false 50 Text 0 0 ,First,#;CompilerID "CompilerID" true true false 2 Short 0 0 ,First,#;Scale "Scale" true true false
10 Text 0 0 ,First,#;GISHook "GISHook" true true false 4 Long 0 0 ,First,#;GISDate "GISDate" true true false 50 Text 0
0 ,First,#;GISNote "GISNote" true true false 100 Text 0 0 ,First,#;OldNotes "OldNotes" true true false 25 Text 0
0 ,First,#;State "State" true true false 2 Text 0 0 ,First,#;StateCode "StateCode" true true false 2 Text 0
0 ,First,#;CountyCode "CountyCode" true true false 5 Text 0 0 ,First,#;NPCC_ProvinceID "NPCC_ProvinceID" true true false 2
Short 0 0 ,First,#;NPCC_Subbasin2001ID "NPCC_Subbasin2001ID" true true false 2 Short 0 0 ,First,#;SN_Region2001 "SN_Region2001"
true true false 2 Short 0 0 ,First,#;HUC_2 "HUC_2" true true false 2 Text 0 0 ,First,#;HUC_4 "HUC_4" true true false 4 Text 0
0 ,First,#;HUC_6 "HUC_6" true true false 6 Text 0 0 ,First,#;HUC_8 "HUC_8" true true false 8 Text 0 0 ,First,#;HUC_10 "HUC_10"
true true false 10 Text 0 0 ,First,#;HUC_12 "HUC_12" true true false 12 Text 0 0 ,First,#;Instructions4Van "Instructions4Van"
true true false 50 Text 0 0 ,First,#;Shape_Length "Shape_Length" false true 8 Double 0 0 ,First,#,D:\WorkSpace\Hydro\MSHV3
\MSHV3.gdb\Hydrort_MSHv3_AddReplaceSept2011RemeasAtts,Shape_Length,-1,-1 #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:15:49
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a GeomSrc "ODEFW (PNWHF 24k+)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:16:09
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a MeasSrc "SN Lambert CC (NAD83) - Integer Ft" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:16:38
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a SrcContact "JB" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:17:06
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a CompilerID 5 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:17:27
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a Scale "24K+" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:17:39
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a GISDate 20110915 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:18:06
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a GISNote "Added or replaced per ODFW 20110915" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:18:19
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a State "OR" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2011-09-28 15:18:32
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a StateCode 41 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:52:09
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a GISDate "20110915" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:53:44
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a MeasSrc "SN Lambert CC (NAD83) - Integer Ft" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:55:18
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a SrcContact "VCH" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 15:55:37
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a CompilerID 6 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:02:33
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a Scale "24k+" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:03:01
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a GeomSrc "ODFW (Mixed Geom)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:04:51
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a CompilerID 8 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:05:19
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a SrcContact "DA" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:05:46
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a SrcUpdDate [GISDate] VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:18:27
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a Scale "100k" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:19:31
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a State "OR" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:19:42

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TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a StateCode 41 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:20:59
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a SrcContact "VCH" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:21:09
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a CompilerID 6 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:22:06
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a SrcUpdDate "20110301" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:22:29
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a GeomSrc "ODFW (Mixed Geom)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-09-28 16:22:44
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3a Scale "24k+" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-12-15 11:02:22
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "Hydrort_MSHv3 (Final For LocXing)" Name "Bear Creek" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-12-15 11:03:25
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "Hydrort_MSHv3 (Final For LocXing)" PreviousName "Bear Creek then Chaparral Creek then back to Bear Creek
(PNWHF/GNIS error)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-12-15 11:03:46
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "Hydrort_MSHv3 (Final For LocXing)" PreviousName " Chaparral Creek (PNWHF/GNIS error)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2011-12-15 11:04:00
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "Hydrort_MSHv3 (Final For LocXing)" PreviousName " Chaparral Creek (PNWHF/GNIS error?) " VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 13:57:48
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web GISNote "TribToName Changed back to Cronin Creek from Cornin Creek (per ODFW @v4)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 13:58:00
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web GISNote "TribToName Changed back to Cronin Creek from Cornin Creek (per ODFW @v3.1)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 13:58:49
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

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COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "namechange" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 13:59:07
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web GISDate "20120801" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 13:59:51
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Name "Cronin Creek" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:00:29
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web GISNote "Namechange from Cornin Creek to Cronin Creek (per ODFWv3.1)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:00:43
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web GISDate "20120801" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:01:00
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "namechange" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:03:29
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web TribToName "Cronin Creek" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:03:56
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web GISDate "20120801" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:04:45
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web GISNote "TribToName changed from Cornin Creek to Cronin Creek (per ODFWv3.1)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:05:02
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "namechange" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:09:52
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "namechange" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:10:57
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "namechange" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 14:50:57
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 14:55:14
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 14:58:29
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 15:23:48
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:02:42
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:03:23
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:04:33
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:08:19
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:09:00
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:12:03
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:13:31
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:14:26
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv3_web Instructions4Van "remove to replace" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-18 16:19:41
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 GISNote "To be replaced w/new geom perODFW@3.1" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-18 16:20:12
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31 Instructions4Van "remove to replace @ 3.1" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-18 16:28:52
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append
 COMMAND ISSUED
 Append ODFW_AddOrReplaceStreams Hydrort_MSHv31 NO_TEST "LocationID "LocationID" true true false 13 Text 0 0 ,First,#;Name
 "Name" true true false 100 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,WC_GNIS_NM,-1,-1;GNIS_ID
 "GNIS_ID" true true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,WC_GNIS_NR,-1,-
 1;GNIS_Name "GNIS_Name" true true false 65 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,WC_GNIS_NM,-1,-1;LengthFt
 "LengthFt" true true false 8 Double 0 0 ,First,#;TribID "TribID" true true false 13 Text 0
 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,TRIBID,-1,-1;TribToName
 "TribToName" true true false 60 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,TRIBTONAME,-1,-1;TribFt
 "TribFt" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,TRIBFT,-1,-1;LocSubTypeID
 "LocSubTypeID" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,LOCSUBTYPE,-1,-
 1;PreviousName "PreviousName" true true false 50 Text 0 0 ,First,#;PrevMaxMeas "PrevMaxMeas" true true false 8 Double 0
 0 ,First,#;MaxMeasDif "MaxMeasDif" true true false 8 Double 0 0 ,First,#;GeomSrc "GeomSrc" true true false 20 Text 0
 0 ,First,#;MeasSrc "MeasSrc" true true false 50 Text 0 0 ,First,#;LLIDSrc "LLIDSrc" true true false 50 Text 0
 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,LLIDSrc,-1,-1;SrcUpdDate
 "SrcUpdDate" true true false 8 Text 0 0 ,First,#;SrcContact "SrcContact" true true false 50 Text 0 0 ,First,#;CompilerID
 "CompilerID" true true false 2 Short 0 0 ,First,#;Scale "Scale" true true false 10 Text 0 0 ,First,#;GISHook "GISHook" true
 true false 4 Long 0 0 ,First,#;GISDate "GISDate" true true false 50 Text 0 0 ,First,#;GISNote "GISNote" true true false 100
 Text 0 0 ,First,#;OldNotes "OldNotes" true true false 25 Text 0 0 ,First,#;State "State" true true false 2 Text 0
 0 ,First,#;StateCode "StateCode" true true false 2 Text 0 0 ,First,#;CountyCode "CountyCode" true true false 5 Text 0
 0 ,First,#;NPCC_ProvinceID "NPCC_ProvinceID" true true false 2 Short 0 0 ,First,#;NPCC_Subbasin2001ID "NPCC_Subbasin2001ID"
 true true false 2 Short 0 0 ,First,#;SN_Region2001 "SN_Region2001" true true false 2 Short 0 0 ,First,#;HUC_2 "HUC_2" true true
 false 2 Text 0 0 ,First,#;HUC_4 "HUC_4" true true false 4 Text 0 0 ,First,#;HUC_6 "HUC_6" true true false 6 Text 0
 0 ,First,#;HUC_8 "HUC_8" true true false 8 Text 0 0 ,First,#;HUC_10 "HUC_10" true true false 10 Text 0 0 ,First,#;HUC_12
 "HUC_12" true true false 12 Text 0 0 ,First,#;Instructions4Van "Instructions4Van" true true false 50 Text 0
 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,instruction,-1,-
 1;Shape_Length "Shape_Length" false true true 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,Shape_Length,-1,-1" #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-18 16:57:34
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31 LengthFt 30896 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-18 17:03:35
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31 GISDate 20120918 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-18 17:05:59
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31 GISNote ""Feature was " &[Instructions4Van]& " at 3.1 per ODFW"" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-18 17:06:26
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31 GISNote ""Feature was " &[Instructions4Van]& " at 3.1 per ODFW"" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-18 17:06:45
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31 GISDate 20120801 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-18 17:12:21
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append
 COMMAND ISSUED
 Append ODFW_AddOrReplaceStreams Hydrort_MSHv31 NO_TEST "LocationID "LocationID" true true false 13 Text 0
 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,WC_LLID_NR,-1,-1;Name
 "Name" true true false 100 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,WC_GNIS_NM,-1,-1;GNIS_ID

```

"GNIS_ID" true true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,WC_GNIS_NR,-1,-
1;GNIS_Name "GNIS_Name" true true false 65 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,WC_GNIS_NM,-1,-1;LengthFt
"LengthFt" true true false 8 Double 0 0 ,First,#;TribID "TribID" true true false 13 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,TRIBID,-1,-1;TribToName
"TribToName" true true false 60 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,TRIBTONAME,-1,-1;TribFt
"TribFt" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,TRIBFT,-1,-1;LocSubTypeID
"LocSubTypeID" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,LOCSUBTYPE,-1,-
1;PreviousName "PreviousName" true true false 50 Text 0 0 ,First,#;PrevMaxMeas "PrevMaxMeas" true true false 8 Double 0
0 ,First,#;MaxMeasDif "MaxMeasDif" true true false 8 Double 0 0 ,First,#;GeomSrc "GeomSrc" true true false 20 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,line_src,-1,-1;MeasSrc
"MeasSrc" true true false 50 Text 0 0 ,First,#;LLIDSrc "LLIDSrc" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,LLIDsrc,-1,-1;SrcUpdDate
"SrcUpdDate" true true false 8 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,UpdDate,-1,-1;SrcContact
"SrcContact" true true false 50 Text 0 0 ,First,#;CompilerID "CompilerID" true true false 2 Short 0 0 ,First,#;Scale "Scale"
true true false 10 Text 0 0 ,First,#;GISHook "GISHook" true true false 4 Long 0 0 ,First,#;GISDate "GISDate" true true false 50
Text 0 0 ,First,#;GISNote "GISNote" true true false 100 Text 0 0 ,First,#;OldNotes "OldNotes" true true false 25 Text 0
0 ,First,#;State "State" true true false 2 Text 0 0 ,First,#;StateCode "StateCode" true true false 2 Text 0
0 ,First,#;CountyCode "CountyCode" true true false 5 Text 0 0 ,First,#;NPCC_ProvinceID "NPCC_ProvinceID" true true false 2
Short 0 0 ,First,#;NPCC_Subbasin2001ID "NPCC_Subbasin2001ID" true true false 2 Short 0 0 ,First,#;SN_Region2001 "SN_Region2001"
true true false 2 Short 0 0 ,First,#;HUC_2 "HUC_2" true true false 2 Text 0 0 ,First,#;HUC_4 "HUC_4" true true false 4 Text 0
0 ,First,#;HUC_6 "HUC_6" true true false 6 Text 0 0 ,First,#;HUC_8 "HUC_8" true true false 8 Text 0 0 ,First,#;HUC_10 "HUC_10"
true true false 10 Text 0 0 ,First,#;HUC_12 "HUC_12" true true false 12 Text 0 0 ,First,#;Instructions4Van "Instructions4Van"
true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,instruction,-1,-
1;Shape_Length "Shape_Length" false true true 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\ODFWHydroDataSubmissionAugust2012.gdb\ODFWHydroDataSubmissionAugust2012.gdb\ODFW_AddOrReplaceStreams,Shape_Length,-1,-1" #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 17:15:07
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 Instructions4Van "[Instructions4Van] & " @ v3.1 per ODFW" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 17:15:25
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 GISNote "[Instructions4Van] & " @ v3.1 per ODFW" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 17:15:39
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 GISDate 20120801 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 17:16:00
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 SrcContact "JB" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 17:16:22
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 CompilerID 5 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-18 17:16:45
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 MeasSrc "SN Lambert CC (NAD83) - Integer Ft" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-09-19 10:49:39
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append
COMMAND ISSUED
Append Hydrort_MSHv31_RemovedFeatruesAt31_VCHPrepped Hydrort_MSHv31_NO_TEST "LocationID "LocationID" true true false 13 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHv31_RemovedFeatruesAt31_VCHPrepped,LLID,-1,-1;Name
"Name" true true false 100 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHv31_RemovedFeatruesAt31_VCHPrepped,NAME,-1,-1;GNIS_ID "GNIS_ID" true true false 10 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHv31_RemovedFeatruesAt31_VCHPrepped,GNIS_ID,-1,-
1;GNIS_Name "GNIS_Name" true true false 65 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHv31_RemovedFeatruesAt31_VCHPrepped,GNIS_Name,-1,-1;LengthFt "LengthFt" true true false 8 Double 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHv31_RemovedFeatruesAt31_VCHPrepped,LengthFt,-1,-
1;TribID "TribID" true true false 13 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHv31_RemovedFeatruesAt31_VCHPrepped,TRIB_TO,-1,-1;TribToName "TribToName" true true false 60 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHv31_RemovedFeatruesAt31_VCHPrepped,TRIB_TO_N,-1,-

```

```

1;TribFt "TribFt" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,TribFt,-1,-1;LocSubTypeID "LocSubTypeID" true true false 8
Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,LocSubTypeID,-1,-1;PreviousName "PreviousName" true true false
50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,PreviousName,-1,-1;PrevMaxMeas "PrevMaxMeas" true true false 8
Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,PrevMaxMeas,-1,-1;MaxMeasDif "MaxMeasDif" true true false 8
Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,MaxMeasDif,-1,-1;GeomSrc "GeomSrc" true true false 20 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,GeomSrc,-1,-
1;MeasSrc "MeasSrc" true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,MeasSrc,-1,-1;LLIDSrc "LLIDSrc" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,LLIDSrc,-1,-
1;SrcUpdDate "SrcUpdDate" true true false 8 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,SrcUpdDate,-1,-1;SrcContact "SrcContact" true true false 50 Text
0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,SrcContact,-1,-
1;CompilerID "CompilerID" true true false 2 Short 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,CompilerID,-1,-1;Scale "Scale" true true false 10 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,Scale,-1,-
1;GISHook "GISHook" true true false 4 Long 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,GISHook,-1,-1;GISDate "GISDate" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,GISNote,-1,-1;OldNotes "OldNotes" true true false 25 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,OldNotes,-1,-
1;State "State" true true false 2 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,State,-1,-1;StateCode "StateCode" true true false 2 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,StateCode,-1,-
1;CountyCode "CountyCode" true true false 5 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,CountyCode,-1,-1;NPCC_ProvinceID "NPCC_ProvinceID" true true
false 2 Short 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,NPCC_ProvinceID,-1,-1;NPCC_Subbasin2001ID "NPCC_Subbasin2001ID"
true true false 2 Short 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,NPCC_Subbasin2001ID,-1,-1;SN_Region2001 "SN_Region2001" true
true false 2 Short 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,SN_Region2001,-1,-1;HUC_2 "HUC_2" true true false 2 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,HUC_2,-1,-1;HUC_4
"HUC_4" true true false 4 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,HUC_4,-1,-1;HUC_6 "HUC_6" true true false 6 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,HUC_6,-1,-1;HUC_8
"HUC_8" true true false 8 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,HUC_8,-1,-1;HUC_10 "HUC_10" true true false 10 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,HUC_10,-1,-
1;HUC_12 "HUC_12" true true false 12 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,HUC_12,-1,-1;Instructions4Van "Instructions4Van" true true false
50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,Instructions4Van,-1,-1;Shape_Length "Shape_Length" true true
true 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\Hydrort_MSHV31_RemovedFeatruesAt31_VCHPrepped,SHAPE_Length,-1,-1" #

```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-19 11:01:43

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHV31 LengthFt "Int ([Shape_Length])" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-19 11:28:25

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append

COMMAND ISSUED

```

Append MFWP_AddNew_20120817_VCH Hydrort_MSHV31 NO_TEST "LocationID "LocationID" true true false 13 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,LLID,-1,-1;Name "Name" true true false
100 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,NAME,-1,-1;GNIS_ID
"GNIS_ID" true true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GNIS_ID,-1,-1;GNIS Name "GNIS Name" true true false 65 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GNIS Name,-1,-1;LengthFt "LengthFt"
true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,LengthFt,-
1,-1;TribID "TribID" true true false 13 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,TribID,-1,-1;TribToName "TribToName" true true false 60 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,TribToName,-1,-1;TribFt "TribFt" true
true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,TribFt,-1,-
1;LocSubTypeID "LocSubTypeID" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,LocSubTypeID,-1,-1;PreviousName "PreviousName" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,PreviousName,-1,-1;PrevMaxMeas
"PrevMaxMeas" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,PrevMaxMeas,-1,-1;MaxMeasDif "MaxMeasDif" true true false 8 Double 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,MaxMeasDif,-1,-1;GeomSrc "GeomSrc"
true true false 20 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GeomSrc,-1,-
1;MeasSrc "MeasSrc" true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,MeasSrc,-1,-1;LLIDSrc "LLIDSrc" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,LLIDSrc,-1,-1;SrcUpdDate "SrcUpdDate"
true true false 8 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,SrcUpdDate,-
1,-1;SrcContact "SrcContact" true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,SrcContact,-1,-1;CompilerID "CompilerID" true true false 2 Short 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,CompilerID,-1,-1;Scale "Scale" true
true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,Scale,-1,-
1;GISHook "GISHook" true true false 4 Long 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GISHook,-1,-1;GISDate "GISDate" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GISDate,-1,-1;GISNote "GISNote" true
true false 100 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GISNote,-1,-
1;OldNotes "OldNotes" true true false 25 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,OldNotes,-1,-1;State "State" true true false 2 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,State,-1,-1;StateCode "StateCode" true
true false 2 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,StateCode,-1,-
1;CountyCode "CountyCode" true true false 5 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,CountyCode,-1,-1;NPCC_ProvinceID "NPCC_ProvinceID" true true false 2 Short 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,NPCC_ProvinceID,-1,-
1;NPCC_Subbasin2001ID "NPCC_Subbasin2001ID" true true false 2 Short 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,NPCC_Subbasin2001ID,-1,-1;SN_Region2001 "SN_Region2001" true true false 2 Short 0

```

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0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,SN_Region2001,-1,-1;HUC_2 "HUC_2" true
true false 2 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_2,-1,-1;HUC_4
"HUC_4" true true false 4 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_4,-1,-1;HUC_6 "HUC_6" true true false 6 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_6,-1,-1;HUC_8 "HUC_8" true true
false 8 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_8,-1,-1;HUC_10
"HUC_10" true true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_10,-1,-1;HUC_12 "HUC_12" true true false 12 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_12,-1,-1;Instructions4Van
"Instructions4Van" true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,Instructions4Van,-1,-1;Shape_Length "Shape_Length" false true true 8 Double 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,SHAPE_Length,-1,-1 #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

```

PROCESS

PROCESS NAME

DATE 2012-09-19 11:34:50

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append

COMMAND ISSUED

```

Append MFWP_AddNew_20120817_VCH Hydrort_MSHv31 NO.TEST "LocationID "LocationID" true true false 13 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,LLID,-1,-1;Name "Name" true true false
100 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,NAME,-1,-1;GNIS_ID
"GNIS_ID" true true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GNIS_ID,-1,-1;GNIS_Name "GNIS_Name" true true false 65 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GNIS_Name,-1,-1;LengthFt "LengthFt"
true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,LengthFt,-
1,-1;TribID "TribID" true true false 13 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,TRIB_TO,-1,-1;TribToName "TribToName" true true false 60 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,TRIB_TO_N,-1,-1;TribFt "TribFt" true
true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,TribFt,-1,-
1;LocSubTypeID "LocSubTypeID" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,LocSubTypeID,-1,-1;PreviousName "PreviousName" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,PreviousName,-1,-1;PrevMaxMeas
"PrevMaxMeas" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,PrevMaxMeas,-1,-1;MaxMeasDif "MaxMeasDif" true true false 8 Double 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,MaxMeasDif,-1,-1;GeomSrc "GeomSrc"
true true false 20 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,DATASOURCE,-
1,-1;MeasSrc "MeasSrc" true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,MeasSrc,-1,-1;LLIDSrc "LLIDSrc" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,LLIDSrc,-1,-1;SrcUpdDate "SrcUpdDate"
true true false 8 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,SrcUpdDate,-
1,-1;SrcContact "SrcContact" true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,SrcContact,-1,-1;CompilerID "CompilerID" true true false 2 Short 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,CompilerID,-1,-1;Scale "Scale" true
true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,Scale,-1,-
1;GISHook "GISHook" true true false 4 Long 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GISHook,-1,-1;GISDate "GISDate" true true false 50 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GISDate,-1,-1;GISNote "GISNote" true
true false 100 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,GISNote,-1,-
1;OldNotes "OldNotes" true true false 25 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,OldNotes,-1,-1;State "State" true true false 2 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,State,-1,-1;StateCode "StateCode" true
true false 2 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,StateCode,-1,-
1;CountyCode "CountyCode" true true false 5 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,CountyCode,-1,-1;NPCC_ProvinceID "NPCC_ProvinceID" true true false 2 Short 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,NPCC_ProvinceID,-1,-
1;NPCC_Subbasin2001ID "NPCC_Subbasin2001ID" true true false 2 Short 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,NPCC_Subbasin2001ID,-1,-1;SN_Region2001 "SN_Region2001" true true false 2 Short 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,SN_Region2001,-1,-1;HUC_2 "HUC_2" true
true false 2 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_2,-1,-1;HUC_4
"HUC_4" true true false 4 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_4,-1,-1;HUC_6 "HUC_6" true true false 6 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_6,-1,-1;HUC_8 "HUC_8" true true
false 8 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_8,-1,-1;HUC_10
"HUC_10" true true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_10,-1,-1;HUC_12 "HUC_12" true true false 12 Text 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,HUC_12,-1,-1;Instructions4Van
"Instructions4Van" true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,Instructions4Van,-1,-1;Shape_Length "Shape_Length" false true true 8 Double 0
0 ,First,#,D:\Workspace\StreamNetPublish_201209\SNLocMaster.gdb\MFWP_AddNew_20120817_VCH,SHAPE_Length,-1,-1 #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

```

PROCESS

PROCESS NAME

DATE 2012-09-19 13:53:15

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv31 LengthFt "Int ([Shape_Length]+ .5)" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-19 13:56:08

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv31 Name ""Unamed Stream "& "[" & [LocationID] &"]"" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-19 14:01:17

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv31 GeomSrc "ODFW (PNWHF 24k+)" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-19 14:04:38

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Hydrort_MSHv31 Scale "24k+" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:05:25
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 HUC_2 17 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:07:52
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 CompilerID 8 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:08:08
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 SrcContact "DA" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:08:41
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 MeasSrc "SN Lambert CC (NAD83) - Integer Ft" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:09:33
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 LLIDSrc "MFWP" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:10:09
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 GISHook 919 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:19:31
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 LengthFt 3204 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:21:43
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 GISDate "delete" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:25:43
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 LengthFt "Int ([Shape_Length]+.5)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:31:05
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 GISDate 20120919 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-19 14:52:32
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31 GeomSrc "ODFW (Mixed Geom)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
DATE 2012-09-20 09:53:08
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20120919 HUC_2 10 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-20 09:55:56
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20120919 SN_Region2001 49 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-20 09:59:03
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20120919 HUC_2 "Left ([HUC_4], 2)" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-20 10:42:05
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20120919 GISNote "[GISNote] & " - keep GISDate null until inclusion in LocMaster"" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-20 10:43:15
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20120919 GISNote "[GISNote] & " - GISDate NULL until included in LocMaster"" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-20 10:46:11
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20120919 GISNote "Eastern MT: Not included in LocMaster (GISDate remains NULL until inclusion)"
 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-20 10:51:57
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20120919 Scale "24k+" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-09-20 11:58:15
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CompressFileGeodatabaseData
 COMMAND ISSUED
 CompressFileGeodatabaseData D:\Workspace\StreamNetPublish_201209\StreamNet_MSHv31.gdb\Hydrort_MSHv31_20120920
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-11-02 11:33:35
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append
 COMMAND ISSUED
 Append Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd Hydrort_MSHv31_20121102 NO_TEST "LocationID "LocationID" true true false 13 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,WC_LLID_NR,-1,-1;Name "Name" true true false 100 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,WC_GNIS_NM,-1,-1;GNIS_ID "GNIS_ID" true true false 10 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,WC_GNIS_NR,-1,-1;GNIS_Name "GNIS_Name" true true false 65 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,WC_GNIS_NM,-1,-1;LengthFt "LengthFt" true true false 8 Double 0 0 ,First,#;TribID "TribID" true true false 13 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,TRIBID,-1,-1;TribToName "TribToName" true true false 60 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,TRIBTONAME,-1,-1;TribFt "TribFt" true true false 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,TRIBFT,-1,-1;LocSubTypeID "LocSubTypeID" true true false 8 Double 0 0 ,First,#;PreviousName "PreviousName" true true false 50 Text 0 0 ,First,#;PrevMaxMeas "PrevMaxMeas" true true false 8 Double 0 0 ,First,#;MaxMeasDif "MaxMeasDif" true true false 8 Double 0 0 ,First,#;GeomSrc "GeomSrc" true true false 20 Text 0 0 ,First,#;MeasSrc "MeasSrc" true true false 50 Text 0 0 ,First,#;LLIDSrc "LLIDSrc" true true false 50 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,LLIDsrc,-1,-1;SrcUpdDate "SrcUpdDate" true true false 8 Text 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,UpdDate,-1,-1;SrcContact "SrcContact" true true false 50 Text 0 0 ,First,#;Scale "Scale" true true false 10 Text 0 0 ,First,#;GISHook "GISHook" true true false 4 Long 0 0 ,First,#;GISDate "GISDate" true true false 50 Text 0 0 ,First,#;GISNote "GISNote" true true false 100 Text 0 0 ,First,#;OldNotes "OldNotes" true true false 25 Text 0 0 ,First,#;State "State" true true false 2 Text 0 0 ,First,#;StateCode "StateCode" true true false 2 Text 0 0 ,First,#;CountyCode "CountyCode" true true false 5 Text 0 0 ,First,#;NPCC ProvinceID "NPCC ProvinceID" true true false 2 Short 0 0 ,First,#;NPCC Subbasin2001ID "NPCC Subbasin2001ID" true true false 2 Short 0 0 ,First,#;SN_Region2001 "SN_Region2001" true true false 2 Short 0 0 ,First,#;HUC_2 "HUC_2" true true false 2 Text 0 0 ,First,#;HUC_4 "HUC_4" true true false 4 Text 0 0 ,First,#;HUC_6 "HUC_6" true true false 6 Text 0 0 ,First,#;HUC_8 "HUC_8" true true false 8 Text 0 0 ,First,#;HUC_10 "HUC_10" true true false 10 Text 0 0 ,First,#;HUC_12 "HUC_12" true true false 12 Text 0 0 ,First,#;Instructions4Van "Instructions4Van" true true false 50 Text 0 0 ,First,#;Shape_Length "Shape_Length" false true true 8 Double 0 0 ,First,#,D:\Workspace\StreamNetPublish_201209
 \SN_Hydrography_20120920.gdb\Hydrort_MSHv31_20121102_IndianAndJohnsonCreeksToAdd,Shape_Length,-1,-1" #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

```

DATE 2012-11-02 11:34:29
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 LengthFt 64707 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:34:45
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 LocSubTypeID 120 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:35:59
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GeomSrc "ODFW (PNWHF 24k+)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:36:25
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 MeasSrc "SN Lambert CC (NAD83) - Integer Ft" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:37:17
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 CompilerID 5 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:37:28
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 SrcContact "JB" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:37:56
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 Scale "24k+" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:38:13
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GISDate 20121102 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:39:06
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GISNote "Modified routes at v3.1 to fix config error" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 11:40:24
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 LocSubTypeID 120 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:30:24
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Append
COMMAND ISSUED
Append Add2MSH_SN_Lambert_20121102_rte_ft Hydrort_MSHv31_20121102 NO_TEST "LocationID "LocationID" true true false 13 Text 0
0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;Name "Name" true true false 100 Text 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;GNIS_ID "GNIS_ID" true true false 10 Text 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;GNIS Name "GNIS Name" true true false 65 Text 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;LengthFt "LengthFt" true true false 8 Double 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;TribID "TribID" true true false 13 Text 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;TribToName "TribToName" true true false 60 Text 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;TribFt "TribFt" true true false 8 Double 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209

```



```

\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;LocSubTypeID "LocSubTypeID" true true false 8 Double 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;PreviousName "PreviousName" true true false 50 Text 0 0 ,First,#;PrevMaxMeas "PrevMaxMeas" true true false 8 Double 0
0 ,First,#;MaxMeasDif "MaxMeasDif" true true false 8 Double 0 0 ,First,#;GeomSrc "GeomSrc" true true false 20 Text 0
0 ,First,#;MeasSrc "MeasSrc" true true false 50 Text 0 0 ,First,#;LLIDSrc "LLIDSrc" true true false 50 Text 0
0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;SrcUpdDate "SrcUpdDate" true true false 8 Text 0 0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1;SrcContact "SrcContact" true true false 50 Text 0 0 ,First,#;CompilerID "CompilerID" true true false 2 Short 0
0 ,First,#;Scale "Scale" true true false 10 Text 0 0 ,First,#;GISHook "GISHook" true true false 4 Long 0 0 ,First,#;GISDate
"GISDate" true true false 50 Text 0 0 ,First,#;GISNote "GISNote" true true false 100 Text 0 0 ,First,#;OldNotes "OldNotes" true
true false 25 Text 0 0 ,First,#;State "State" true true false 2 Text 0 0 ,First,#;StateCode "StateCode" true true false 2 Text
0 0 ,First,#;CountyCode "CountyCode" true true false 5 Text 0 0 ,First,#;NPCC_ProvinceID "NPCC_ProvinceID" true true false 2
Short 0 0 ,First,#;NPCC_Subbasin2001ID "NPCC_Subbasin2001ID" true true false 2 Short 0 0 ,First,#;SN_Region2001 "SN_Region2001"
true true false 2 Short 0 0 ,First,#;HUC_2 "HUC_2" true true false 2 Text 0 0 ,First,#;HUC_4 "HUC_4" true true false 4 Text 0
0 ,First,#;HUC_6 "HUC_6" true true false 6 Text 0 0 ,First,#;HUC_8 "HUC_8" true true false 8 Text 0 0 ,First,#;HUC_10 "HUC_10"
true true false 10 Text 0 0 ,First,#;HUC_12 "HUC_12" true true false 12 Text 0 0 ,First,#;Instructions4Van "Instructions4Van"
true true false 50 Text 0 0 ,First,#;Shape_Length "Shape_Length" false true true 8 Double 0
0 ,First,#,D:\WorkSpace\StreamNetPublish_201209
\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\ODFW_FishDistUpdatesWithIssuesAddressed_20121102.gdb\Add2MSH_SN_Lambert_20
-1,-1" #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:34:31
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 Name "Unnamed stream (" & [LocationID]&")" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:34:51
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GISDate 20121102 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:35:24
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 CompilerID 5 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:35:37
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 Scale "24k+" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:36:00
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GISNote "Added new at MSHv3.1 per ODFW" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:36:15
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 SrcContact "JB" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:36:26
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 MeasSrc "SN Lambert CC (NAD83) - Integer Ft" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:36:38
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GeomSrc "ODFW (PNWHF 24k+)" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:37:08
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 State 41 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME

```

DATE 2012-11-02 16:39:42
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 State "OR" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:41:26
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 HUC_2 17 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-02 16:43:28
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 StateCode 41 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-13 17:03:30
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 TribID "1202192443643" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-13 17:03:44
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 TribToName "Indian Creek" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-14 12:18:22
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GISDate "20121114" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-14 12:19:28
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GISNote "Updated TribID @ 3.1 after change in downstream LocationID" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-14 16:20:25
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 Instructions4Van "Delete feature @ v3.1" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-14 17:02:00
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 TribID "1179373452815" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-14 17:05:13
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 TribID 6027 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-14 17:05:37
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 TribToName "Undetermined outlet in Nevada" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-14 17:06:05
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField Hydrort_MSHv31_20121102 GISDate "20121114" VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS
PROCESS NAME
DATE 2012-11-19 14:14:32
TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20121102 GISDate 20110301 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-11-19 15:06:28
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20121102 GISDate 10009999 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-11-19 15:07:51
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20121102 GISDate 20120930 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2012-11-19 15:12:50
 TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField Hydrort_MSHv31_20121102 GISDate 20120930 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

[Hide Geoprocessing history ▲](#)

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION
 INDIVIDUAL'S NAME Van C. Hare
 ORGANIZATION'S NAME StreamNet Project, Pacific States Marine Fisheries Commission
 CONTACT'S POSITION StreamNet Project, Regional GIS Manager
 CONTACT'S ROLE distributor

CONTACT INFORMATION ►

PHONE
 VOICE 503-595-3155
 FAX 503-595-3232

ADDRESS

TYPE postal
 DELIVERY POINT 205 SE Spokane Street, Suite 100
 CITY Portland
 ADMINISTRATIVE AREA OR
 POSTAL CODE 97202
 COUNTRY US
 E-MAIL ADDRESS StreamNetGIS@psmf.org

HOURS OF SERVICE Monday - Friday, 9am -5pm
 CONTACT INSTRUCTIONS
 Email is the preferred mode of contact.

[Hide Contact information ▲](#)

AVAILABLE FORMAT

NAME ESRI data format, dependent upon request

ORDERING PROCESS

TERMS AND FEES To be determined at time of order

TRANSFER OPTIONS

ONLINE SOURCE
 LOCATION http://www.streamnet.org/mapping_apps.html

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

TRANSFER OPTIONS

ONLINE SOURCE
 LOCATION \\mykiss\droot\FTP\LocalUser\Public\pub\streamnet\gisdata\map_data_base\StreamNet_MSHv2_May2010.zip

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT KlamathBasin_MSHV3 ►

* TYPE Feature Class
 * ROW COUNT 4536

FIELD OBJECTID ►

* ALIAS OBJECTID
 * DATA TYPE OID
 * WIDTH 4
 * PRECISION 0
 * SCALE 0
 * FIELD DESCRIPTION
 Internal feature number.

* DESCRIPTION SOURCE
ESRI

* DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

[Hide Field OBJECTID ▲](#)

FIELD Shape ▶

* ALIAS Shape
* DATA TYPE Geometry
* WIDTH 0
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
Feature geometry.
* DESCRIPTION SOURCE
ESRI

* DESCRIPTION OF VALUES Coordinates defining the features.

[Hide Field Shape ▲](#)

FIELD LocationID ▶

* ALIAS LocationID
* DATA TYPE String
* WIDTH 13
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION

This is the Unique Identifier for the whole-stream assigned and managed by the StreamNet partnership. The ID is assigned based on the 'LLID' system where the first 7 digits of the stream mouth's longitude are concatenated with the first 6 digits of the stream mouth's latitude to create a 13 character string ID that uniquely identifies the stream. It is important to not the method of using coordinates to derive the ID is only intended to ensure the uniqueness of the original ID assignment. It is not intended to be a 'smart code' and does NOT change if the location of the stream mouth differs through time. See the LLIDSrc field to determine which agency assigned the LLID for a given stream.

NOTE: StreamNet's Location Referencing System requires that the LocationID Identifier be unique across all watercourse, waterbody and point location features. It serves as the unique ID for georeferencing fish data across all topologies.

DESCRIPTION SOURCE
StreamNet

[Hide Field LocationID ▲](#)

FIELD Name ▶

* ALIAS Name
* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION

Name of the stream feature as assigned by the StreamNet partnership. In the case of 'unnamed streams' the stream's LocationID is associated with the unnamed feature in the name field. For labeling purposes, users may wish to exclude 'unnamed streams'

DESCRIPTION SOURCE
StreamNet

[Hide Field Name ▲](#)

FIELD GNIS_ID ▶

* ALIAS GNIS_ID
* DATA TYPE String
* WIDTH 10
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION

Recently added field to assist with providing QA feedback to HR-NHD and GNIS editors. There are known cases where the StreamNet name differs from the GNIS_Name and cases where a named stream takes a different headwaters fork in one system compared to the other.

These issues are being worked out and should resolve as the dataset matures to become increasingly coincident with HR-NHD.

DESCRIPTION SOURCE
GNIS / StreamNet partners

[Hide Field GNIS_ID ▲](#)

FIELD GNIS_Name ▶

* ALIAS GNIS_Name
* DATA TYPE String
* WIDTH 65
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION

GNIS Name as provided by the compiler agency.

DESCRIPTION SOURCE
GNIS / StreamNet partners

[Hide Field GNIS_Name ▲](#)

FIELD LengthFt ▶

* ALIAS LengthFt
* DATA TYPE Double
* WIDTH 8
* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Integer version of shape_length and value used to assign max measure of each whole stream. Note that the MeasSrc field will indicate the projection used to calculate the LengthFt. While usually StreamNet's Lambert Conformal Conic projection, there are exceptions (CA and Eastern MT)

DESCRIPTION SOURCE

StreamNet

[Hide Field LengthFt ▲](#)

FIELD TribID ►

* ALIAS TribID
* DATA TYPE String
* WIDTH 13
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

LocationID of the downstream feature. In other words, the unique ID of the stream that the named feature is a tributary to.

DESCRIPTION SOURCE

StreamNet

[Hide Field TribID ▲](#)

FIELD TribToName ►

* ALIAS TribToName
* DATA TYPE String
* WIDTH 60
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Name of stream feature uniquely identified by the TribID

DESCRIPTION SOURCE

StreamNet

[Hide Field TribToName ▲](#)

FIELD TribFt ►

* ALIAS TribFt
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Measure (ft) where the stream flows into the stream it is a tributary to.

DESCRIPTION SOURCE

StreamNet

[Hide Field TribFt ▲](#)

FIELD LocSubTypeID ►

* ALIAS LocSubTypeID
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Code used to identify the watercourse type based on the StreamNet Data Exchange Format.

LIST OF VALUES

VALUE 100

DESCRIPTION 100k stream

ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 110

DESCRIPTION 100k ditch or canal

ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 111

DESCRIPTION Possible 100k ditch

ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 119

DESCRIPTION Mixed-scale watercourse (combined 100k and higher resolution geometry)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 120

DESCRIPTION 24k (or higher resolution) stream

ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 130

DESCRIPTION 24k (or higher resolution) ditch or canal

ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 131

DESCRIPTION Possible (24k or higher resolution) ditch or canal

ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

[Hide Field LocSubTypeID ▲](#)

FIELD PreviousName ►

*ALIAS PreviousName
 *DATA TYPE String
 *WIDTH 50
 *PRECISION 0
 *SCALE 0
 FIELD DESCRIPTION
 Records an earlier name for QA/QC and steward communication purposes
 DESCRIPTION SOURCE
 StreamNet
[Hide Field PreviousName ▲](#)

FIELD PrevMaxMeas ▶
 *ALIAS PrevMaxMeas
 *DATA TYPE Double
 *WIDTH 8
 *PRECISION 0
 *SCALE 0
[Hide Field PrevMaxMeas ▲](#)

FIELD MaxMeasDif ▶
 *ALIAS MaxMeasDif
 *DATA TYPE Double
 *WIDTH 8
 *PRECISION 0
 *SCALE 0
[Hide Field MaxMeasDif ▲](#)

FIELD GeomSrc ▶
 *ALIAS GeomSrc
 *DATA TYPE String
 *WIDTH 20
 *PRECISION 0
 *SCALE 0
 FIELD DESCRIPTION
 Source of geometry for the feature. Values are straight forward and descriptive
 DESCRIPTION SOURCE
 StreamNet
[Hide Field GeomSrc ▲](#)

FIELD MeasSrc ▶
 *ALIAS MeasSrc
 *DATA TYPE String
 *WIDTH 50
 *PRECISION 0
 *SCALE 0
 FIELD DESCRIPTION
 Source of route measures (projection) and value recorded in LengthFt. Values are straight forward and descriptive
 DESCRIPTION SOURCE
 StreamNet
[Hide Field MeasSrc ▲](#)

FIELD LLIDSrc ▶
 *ALIAS LLIDSrc
 *DATA TYPE String
 *WIDTH 50
 *PRECISION 0
 *SCALE 0
 FIELD DESCRIPTION
 Source of the LocationID (LLID) for the feature. StreamNet partners would defer to the original source agency on decisions to make changes to a LocationID - though changes are generally avoided.
 DESCRIPTION SOURCE
 StreamNet
[Hide Field LLIDSrc ▲](#)

FIELD SrcUpdDate ▶
 *ALIAS SrcUpdDate
 *DATA TYPE String
 *WIDTH 8
 *PRECISION 0
 *SCALE 0
[Hide Field SrcUpdDate ▲](#)

FIELD SrcContact ▶
 *ALIAS SrcContact
 *DATA TYPE String
 *WIDTH 50
 *PRECISION 0
 *SCALE 0
[Hide Field SrcContact ▲](#)

FIELD CompilerID ▶

* ALIAS CompilerID
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Identifier for the Compiling Agency that has primary stewardship over a hydro feature. Note that PSMFC tends to be the compiler agency for cross-border streams, indicating that a collaborative process is used to agree to changes to the geometry and attributes of such watercourses.

DESCRIPTION SOURCE

StreamNet

LIST OF VALUES

VALUE 1

DESCRIPTION WDFW (Washington Department of Fish and Wildlife)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 2

DESCRIPTION CRITFC (Columbia Inter-Tribal Fisheries Commission)

VALUE 3

DESCRIPTION USFWS (US Fish and Wildlife Service)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 4

DESCRIPTION IDFG (Idaho Department of Fish and Game)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 5

DESCRIPTION ODFW (Oregon Department of Fish and Wildlife)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 6

DESCRIPTION PSMFC (Pacific States Marine Fisheries Commission)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 7

DESCRIPTION CDFG (California Department of Fish and Game)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 8

DESCRIPTION MFWP (Montana Fish, Wildlife and Parks)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 9

DESCRIPTION Umatilla Confederated Tribes
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 10

DESCRIPTION Nez Perce Tribe
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

VALUE 11

DESCRIPTION Shoshone-Bannock Tribes
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE StreamNet

[Hide Field CompilerID ▲](#)

FIELD Scale ▶

* ALIAS Scale
 * DATA TYPE String
 * WIDTH 10
 * PRECISION 0
 * SCALE 0

[Hide Field Scale ▲](#)

FIELD GISHook ▶

* ALIAS GISHook
 * DATA TYPE Integer
 * WIDTH 4
 * PRECISION 0
 * SCALE 0

[Hide Field GISHook ▲](#)

FIELD GISDate ▶

* ALIAS GISDate
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

[Hide Field GISDate ▲](#)

FIELD GISNote ▶

* ALIAS GISNote
 * DATA TYPE String
 * WIDTH 100
 * PRECISION 0
 * SCALE 0
 FIELD DESCRIPTION

INTERNAL USE: Dataset maintenance notes. Sometimes useful to partnership data compilers

DESCRIPTION SOURCE

StreamNet

[Hide Field GISNote ▲](#)

FIELD OldNotes ▶

* ALIAS OldNotes
 * DATA TYPE String
 * WIDTH 25
 * PRECISION 0
 * SCALE 0

[Hide Field OldNotes ▲](#)

FIELD State ▶

* ALIAS State
 * DATA TYPE String
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

State Abbreviation for the state that the feature falls within. 'XX' is used to flag cross-border features.

DESCRIPTION SOURCE

StreamNet

[Hide Field State ▲](#)

FIELD StateCode ▶

* ALIAS StateCode
 * DATA TYPE String
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

FIPS / ANSI Code that uniquely identifies the State that the feature falls within. 'XX' is used to flag cross-border features.

DESCRIPTION SOURCE

StreamNet

[Hide Field StateCode ▲](#)

FIELD CountyCode ▶

* ALIAS CountyCode
 * DATA TYPE String
 * WIDTH 5
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

FIPS / ANSI Code that uniquely identifies the county that the feature falls within. 'XXX' is used for the last three characters in the case of cross-county border features. 'XXXXX' is used to flag cross-state border features.

DESCRIPTION SOURCE

StreamNet

[Hide Field CountyCode ▲](#)

FIELD NPCC_ProvinceID ▶

* ALIAS NPCC_ProvinceID
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

ID that uniquely identifies the NPCC Province that a feature falls within. Join to NPCC_Province feature class / table for related attributes

DESCRIPTION SOURCE

StreamNet

[Hide Field NPCC_ProvinceID ▲](#)

FIELD NPCC_Subbasin2001ID ▶

* ALIAS NPCC_Subbasin2001ID
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

ID that uniquely identifies the NPCC Subbasin that a feature falls within. Join to NPCC_Subbasin feature class / table for related attributes

DESCRIPTION SOURCE

StreamNet

[Hide Field NPCC_Subbasin2001ID ▲](#)

FIELD SN_Region2001 ▶

* ALIAS SN_Region2001
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

ID that uniquely identifies theStreamNet Region that a feature falls within. This field is no longer in use and will be phased out in the future.

Note that a value of '24' will identify all features within the entire Columbia River Basin

DESCRIPTION SOURCE

StreamNet

[Hide Field SN_Region2001 ▲](#)

FIELD HUC_2 ►

* ALIAS HUC_2
 * DATA TYPE String
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

First Level HUC Identifier - Hydrologic Region

All of the HUC_X codes are used to cross-reference a watercourse feature with the HydroUnit (based on the national WBD dataset) that the feature falls within. The 'XX' convention is used as elsewhere to indicate when a watercourse spans multiple HydroUnits (at various levels).

DESCRIPTION SOURCE

NRCS/USGS WBD 2012

[Hide Field HUC_2 ▲](#)

FIELD HUC_4 ►

* ALIAS HUC_4
 * DATA TYPE String
 * WIDTH 4
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

2nd Level HUC Identifier - Hydrologic SubRegion

All of the HUC_X codes are used to cross-reference a watercourse feature with the HydroUnit (based on the national WBD dataset) that the feature falls within. The 'XX' convention is used as elsewhere to indicate when a watercourse spans multiple HydroUnits (at various levels).

DESCRIPTION SOURCE

NRCS/USGS WBD 2012

[Hide Field HUC_4 ▲](#)

FIELD HUC_6 ►

* ALIAS HUC_6
 * DATA TYPE String
 * WIDTH 6
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

3rd Level HUC Identifier - Hydrologic Basin

All of the HUC_X codes are used to cross-reference a watercourse feature with the HydroUnit (based on the national WBD dataset) that the feature falls within. The 'XX' convention is used as elsewhere to indicate when a watercourse spans multiple HydroUnits (at various levels).

DESCRIPTION SOURCE

NRCS/USGS WBD 2012

[Hide Field HUC_6 ▲](#)

FIELD HUC_8 ►

* ALIAS HUC_8
 * DATA TYPE String
 * WIDTH 8
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

4th Level HUC Identifier - Hydrologic SubBasin

All of the HUC_X codes are used to cross-reference a watercourse feature with the HydroUnit (based on the national WBD dataset) that the feature falls within. The 'XX' convention is used as elsewhere to indicate when a watercourse spans multiple HydroUnits (at various levels).

DESCRIPTION SOURCE

NRCS/USGS WBD 2012

[Hide Field HUC_8 ▲](#)

FIELD HUC_10 ►

* ALIAS HUC_10
 * DATA TYPE String
 * WIDTH 10
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

5th Level HUC Identifier - Hydrologic Watershed

All of the HUC_X codes are used to cross-reference a watercourse feature with the HydroUnit (based on the national WBD dataset) that the feature falls within. The 'XX' convention is used as elsewhere to indicate when a watercourse spans multiple HydroUnits (at various levels).

DESCRIPTION SOURCE

NRCS/USGS WBD 2012

[Hide Field HUC_10 ▲](#)

FIELD HUC_12 ►

* ALIAS HUC_12
 * DATA TYPE String
 * WIDTH 12

*PRECISION 0
*SCALE 0

FIELD DESCRIPTION

6th Level HUC Identifier - Hydrologic SubWatershed

All of the HUC_X codes are used to cross-reference a watercourse feature with the HydroUnit (based on the national WBD dataset) that the feature falls within. The 'XX' convention is used as elsewhere to indicate when a watercourse spans multiple HydroUnits (at various levels).

NOTE: This ID is also used as a crosswalk to other units that subwatersheds 'nest' within - such as: NPCC planning units and NOAA Salmon Recovery Domains and Populations

DESCRIPTION SOURCE

NRCS/USGS WBD 2012

[Hide Field HUC_12 ▲](#)

FIELD Instructions4Van ►

*ALIAS Instructions4Van
*DATA TYPE String
*WIDTH 50
*PRECISION 0
*SCALE 0

FIELD DESCRIPTION

Internal notes for partnership communication, may be dropped from the public dataset

[Hide Field Instructions4Van ▲](#)

FIELD Shape_Length ►

*ALIAS Shape_Length
*DATA TYPE Double
*WIDTH 8
*PRECISION 0
*SCALE 0

*FIELD DESCRIPTION

Length of feature in internal units.

*DESCRIPTION SOURCE

ESRI

*DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

[Hide Field Shape_Length ▲](#)

[Hide Details for object KlamathBasin_MSHv3 ▲](#)

[Hide Fields ▲](#)

References ►

AGGREGATE INFORMATION

ASSOCIATION TYPE cross reference

AGGREGATE RESOURCE NAME ►

RESPONSIBLE PARTY

ORGANIZATION'S NAME StreamNet Project, Pacific States Marine Fisheries Commission

CONTACT'S ROLE publisher

CONTACT INFORMATION ►

ADDRESS

DELIVERY POINT Portland, Oregon

[Hide Contact information ▲](#)

[Hide Aggregate resource name ▲](#)

[Hide References ▲](#)

Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME *dataset

*LAST UPDATE 2013-05-16

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE ISO 19139 Metadata Implementation Specification

STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2013-05-16 13:34:27

LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-05-16 13:38:42

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2013-05-16 13:38:42

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

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CONTACT'S ROLE point of contact

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[Hide Metadata Contacts](#) ▲

Metadata Maintenance ▶**MAINTENANCE**

DATE OF NEXT UPDATE 2012-10-01 00:00:00
UPDATE FREQUENCY annually

[Hide Metadata Maintenance](#) ▲

Metadata Constraints ▶**SECURITY CONSTRAINTS**

CLASSIFICATION unclassified

[Hide Metadata Constraints](#) ▲

Thumbnail and Enclosures ▶**THUMBNAIL**

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures](#) ▲

FGDC Metadata (read-only) ▼