

Data Set Citation

When using this data, please cite the data package

Carroll R , Bill M , Dong W , and Williams K. 2019.

Sub-Basin Delineation for the Upper East River, Colorado, United States

ess-dive-daa1a945af1cef5-20190502T001446795 (

<https://data.ess-dive.lbl.gov/catalog/metacat/ess-dive-daa1a945af1cef5-20190502T001446795/default>)

General Information

Title:	Sub-Basin Delineation for the Upper East River, Colorado, United States
Identifier:	autogen.2019050915520915501.1
Alternate Identifier:	http://dx.doi.org/10.21952/WTR/1508403
Abstract:	<p>Upper East sub-basins are delineated as area contributing flow to SFA 2016 stream gage locations. Shapefile attributes include sub-basin ID, name, area (m2 and km2) and codes for spatial contributions to EBC and PH used by Carroll et al. (2018). Geospatial reference is UTM 1983 zone 13. JPEG image provided to show sub-basin delineation with respect to surface geology (Gothic Quadrangle: Gaskill et al., 1991; Maroon Bells Quadrangle: Bryant, 1969). This dataset can be opened using any GIS software (e.g. QGIS, ArcGIS).</p>
Keywords:	<p>CATEGORICAL:NONE:</p> <ul style="list-style-type: none">Hydrogeology <p>CATEGORICAL:GCMD:</p> <ul style="list-style-type: none">EARTH SCIENCE > TERRESTRIAL HYDROSPHERE > GROUND WATER <p>VARIABLE:GCMD:</p> <ul style="list-style-type: none">EARTH SCIENCE SERVICES > DATA ANALYSIS AND VISUALIZATION > GEOGRAPHIC INFORMATION SYSTEMS > DESKTOP GEOGRAPHIC INFORMATION SYSTEMS <p>VARIABLE:NONE:</p> <ul style="list-style-type: none">Geographic Information SystemsMap
Publication Date:	2019

Data Table, Image, and Other Data Details:

Metadata download

[Ecological Metadata Language \(EML\) File](#)

Other Entity:

Name:	subbasins.cpg
Data Object Type:	application/octet-stream

Other Entity:

Name:	subbasins.dbf
Data Object Type:	application/octet-stream

Other Entity:

Name:	subbasins.jpg
Data Object Type:	image/jpeg

Other Entity:

Name:	subbasins.kmz
Data Object Type:	application/octet-stream

Other Entity:

Name:	subbasins.prj
Data Object Type:	application/octet-stream

Other Entity:

Name:	subbasins.sbn
Data Object Type:	application/octet-stream

Other Entity:

Name:	subbasins.sbx
Data Object Type:	application/octet-stream

Other Entity:

Name:	subbasins.shp
Data Object Type:	application/octet-stream

Other Entity:

Name:	subbasins.shp.xml
Data Object Type:	text/xml

Other Entity:

Name:	subbasins.shx
Data Object Type:	application/octet-stream

Involved Parties**Data Set Creators**

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Associated Parties

Organization:	U.S. DOE > Office of Science > Biological and Environmental Research (BER)
Id:	http://dx.doi.org/10.13039/100006206

Data Set Publishers

Organization:	Watershed Function SFA
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Data Set Characteristics

Geographic Region:									
Geographic Description:	East River Watershed, Colorado The East River (ER) is a snow-dominated, headwater basin of the Upper Colorado River Basin (UCRB) located in the western United States.								
Bounding Coordinates:	<table> <tr> <td>West:</td> <td>-107.05 degrees</td> </tr> <tr> <td>East:</td> <td>-106.88 degrees</td> </tr> <tr> <td>North:</td> <td>39.034 degrees</td> </tr> <tr> <td>South:</td> <td>38.88 degrees</td> </tr> </table>	West:	-107.05 degrees	East:	-106.88 degrees	North:	39.034 degrees	South:	38.88 degrees
West:	-107.05 degrees								
East:	-106.88 degrees								
North:	39.034 degrees								
South:	38.88 degrees								

Time Period:	
Begin:	2016-10-07
End:	2019-03-04

Sampling, Processing and Quality Control Methods

Step by Step Procedures	
Step 1:	
Description:	Upper East sub-basins constructed 10/7/2016 using 10m digital elevation model obtained from the United States Geological Survey (USGS) National Elevation Data set (NED) and ArcGIS Hydrology tool box (ESRI v 10.3.1).

Data Set Usage Rights

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