

Layer Name: Streams (from DLNR, Division of Aquatic Resources)

File Name: streams_dar

Layer Type: Line

Status: Complete

Geog. Extent: Main Hawaiian Islands

Projection: Universal Trans Mercator, Zone 4 (Meters)

Datum: NAD 83 HARN

Description: Streams (both perennial and non-perennial)

Source: USGS Digital Line Graphs, 1983 version; CWRM Hawaii Stream Assessment database, 1993, DLNR Division of Aquatic Resources, 2004, 2008.

History:

Arcs were extracted from the 1983 DLG hydrography layers based on the CWRM Hawaii Stream Assessment (HSA) maps and database, then coded with the HSA stream code, and the HSA stream name (1993). DAR added additional streams from the DLG hydrography layer, and added additional attribute data.

Further additions, refinement, and editing were completed by DAR in 2003, 2004. Additional streams were added and coded (NON-PERENNIAL) in 2005.

OP Staff standardized and re-ordered attributes and merged individual island shapefiles into one statewide shapefile in March, 2005.

Note: Not all items are populated / assigned for all each stream. For example, streams that were not part of the Hawaii Stream Assessment do not have an HSA Code.

Update received from CWRM and DAR, 2013 (Data current to March, 2008).

Update includes many attribute corrections and additional information (e.g. correction of stream number, stream type, and addition of tributary names).

For additional information, please see the following website:

<http://state.hi.us/dlnr/dar/streams.html>

Attributes:	FID	Feature ID
	Shape	Feature Geometry
	Length	Length of arc in meters
	Type	Type of stream (Perennial or Non-Perennial - derived from USGS DLG Major/Minor Codes)
	Type_ID	Numeric stream type code (1=Perennial, 2=Non-perennial)
	HSA_Code	Hawaii Stream Assessment Code (Character) <Island>-<HGU_Code>-<Stream Code>
	NHSA_Code	Numeric Hawaii Stream Assessment Code 1st digit = Island 2nd digit = Hydrographic Unit 3-5 digit = Stream 6-8 digit = blank
	NDAR_Code	Numeric DAR Stream Code 1st digit = Island 2nd digit = Hydrographic Unit 3-5 digit = Stream 6-8 digit = Tributary
	HGU_Code	Hydrographic Unit Code (each island is split into several hydrographic units, DLNR-CWRM uses these codes for their watershed coding)
	Stream_Nam	Stream Name
	Trib_Nam	Tributary Name
	Quadrangle	USGS Quadrangle Name
	Comment	Comment

Attribute Values:

Island:	Definition:
1	Niihau
2	Kauai
3	Oahu
4	Molokai
5	Lanai
6	Maui
7	Kahoolawe
8	Hawaii

Contact: Statewide GIS Program, Office of Planning, State of Hawaii
 PO Box 2359, Honolulu, Hi. 96804
 Phone: (808)587-2846
 email: gis@ hawaii.gov