

### **crb\_channeltypes\_over8m\_100k.shp data dictionary**

This shapefile includes channel type predictions and stream attributes for Columbia basin rivers over 8 meters bank full width. The dataset was built using the 1:100k NHDplus stream network and the Canadian Watershed Atlas. Reaches in this dataset vary in length. Original streams segments were aggregated into geomorphically meaningful reaches based on similarity of slope, bankfull width and confinement.

**id** integer: Unique id

**c\_type** double precision: Modeled channel type ID (1: braided, 2: island-braided, 3: meandering, 4: straight, 5: confined). The highest voted channel types among the braided, island\_braided, mandering, and straight columns below.

**certainty** double precision: 1: only one channel type received votes, 2: two channel types received votes, 3: three channel types received votes, 4: 4 channel types received votes, 0: confined channel type

**braided** double precision: the number of votes on the braided channel type (out of 1000 votes)

**island\_braided** double precision: the number of votes on the island-braided channel type (out of 1000 votes)

**meandering** double precision: the number of votes on the meandering channel type (out of 1000 votes)

**straight** double precision: the number of votes on the straight channel type (out of 1000 votes)

**major\_type** character varying(255): Modeled channel type name which received the highest number of votes

**renum** numeric: Unique numbers assigned to reaches

**aggid\_x3x3** integer: aggregated reach ID within the same renum number

**avg\_f\_acc** numeric: average flow accumulation number among the aggregated reaches

**avg\_p\_acc** numeric: average flow accumulation weighted by precipitation number among the aggregated reaches

**avg\_s\_acc** numeric: average flow accumulation weighted by fine sediment supply area number among the aggregated reaches

**avg\_hi\_sed** numeric: average flow accumulation weighted by alpine sediment supply area among the aggregated reaches

**avg\_slope** real: average channel slope among the aggregated reaches

**avg\_fpw\_integrated\_hybrid\_at\_bfw50m** real: average flood plain width in meter among the aggregated reaches

**discharge\_2yr** real: estimated 2yr-flood discharge

**regime** integer: estimated flow regime ID

**length\_m** real: reach length in meter

**sn** integer NOT NULL: ID

**avg\_bfw\_m** real: average bankfull width in meter

**r\_slope** real: relative slope value calculated by ( a target reach slope - one above reach slope)