

Flow Direction file

Required:

Required by the Urban Module

Read by:

```
find_nearest_channel_bin()
```

or

```
find_nearest_channel_netcdf()
```

Format:

2D Matrix.

Purpose:

Contains 8D flow direction for each grid cell in the basin area, with only eight integer values: 1, 2, 4, 8, 16, 32, 64, and 128.

Details:

- If the format is `BIN` or `BYTESWAP`, then an `unsigned char` should be used.
- If the format is `NetCDF`, then `NC_BYTE` should be used and the variable name in the NetCDF file should be `Flow.Dir`.
- The `FlowDirection` is masked based on the content of the mask file.