



# TOWN of CALAIS

Natural Resource & Emergency Management

River Corridors (red) Calais lakes & streams (blue)

Data originator: Vt ANR, DEC, Rivers Program, January 2, 2015

The map shows the "River Corridors" in Calais as mapped (shown in red) by the State of Vermont. Calais currently (Jan 20, 2015) does not have specific language in its Land Use and Subdivision Regulations regarding River Corridors. Until Calais adopts such language, beginning March 1, 2015, a state permit will be required for some types of development in these mapped corridors. Detailed information regarding this state permit can be found at:

**ENVIRONMENTAL PROTECTION RULE, CHAPTER 29  
VERMONT FLOOD HAZARD AREA AND RIVER CORRIDOR RULE**  
State of Vermont Agency of Natural Resources, Department of Environmental Conservation,  
Watershed Management Division, River Corridor & Floodplain Protection Program  
Adopted October 24, 2014; Effective March 1, 2015

For a thorough discussion of the purpose, design and management of the Vermont River Corridors dataset, please see the "Vermont DEC Flood Hazard Area and River Corridor Protection Procedures December 5, 2014" [http://www.vtwaterquality.org/rivers/docs/FHARCP\\_12.5.14.pdf](http://www.vtwaterquality.org/rivers/docs/FHARCP_12.5.14.pdf).

River corridors encompass an area around and adjacent to the present channel where fluvial erosion, channel evolution and down-valley meander migration are most likely to occur. River corridor widths are calculated to represent the narrowest band of valley bottom and riparian land necessary to accommodate the least erosive channel and floodplain geometry (i.e. equilibrium conditions) that would be created and maintained naturally within a given valley setting. River corridors are developed to facilitate ANR's responsibilities in providing municipalities, regional planning commissions, and Act 250 District Commissions with technical assistance and information concerning river sensitivity and fluvial erosion hazards. Vermont river corridors include areas where active, potentially hazardous river erosion and deposition process have occurred or are likely to occur. These delineations do NOT indicate that areas outside river corridors, particularly those immediately abutting the river or river corridor are free from fluvial erosion hazards. This dataset is part of the "applicable maps" used in conjunction with other best available stream geomorphic data to implement both the Flood Hazard Area and River Corridor "Rule" and "Protection Procedure." The data will be updated over time as described in the Procedure. The date of the version posted on the Vermont Natural Resource Atlas indicates the most recent update. Users should cite the Creation Date for the version. Data processing was done using ArcGIS 10.x, Spatial Analyst, and Arc Hydro Tools 2.0. Source and digitized data included VT Meander Centerlines (MCLs), VT Reach Break points, VT Hydrography streams, VT 10-meter DEM, VTHYDRODEM, HUC 8 Basins, and VT Roads and Railroads. Major derived datasets include raster and vector valley walls, catchments per stream reach, variable-width MCL buffers, and the final River Corridor.

A Frequently-Asked Questions page is available at:  
<http://floodready.vermont.gov/rcfaq>

