

73.5% Assessed Streams in Disequilibrium Lacking Access to a Floodplain

Stage

I 1.3%



Equilibrium condition

II 25.2%



Incision
(downcutting)

III 22.2%



Widening to
balance energy
with boundary
conditions

IV 36.6%



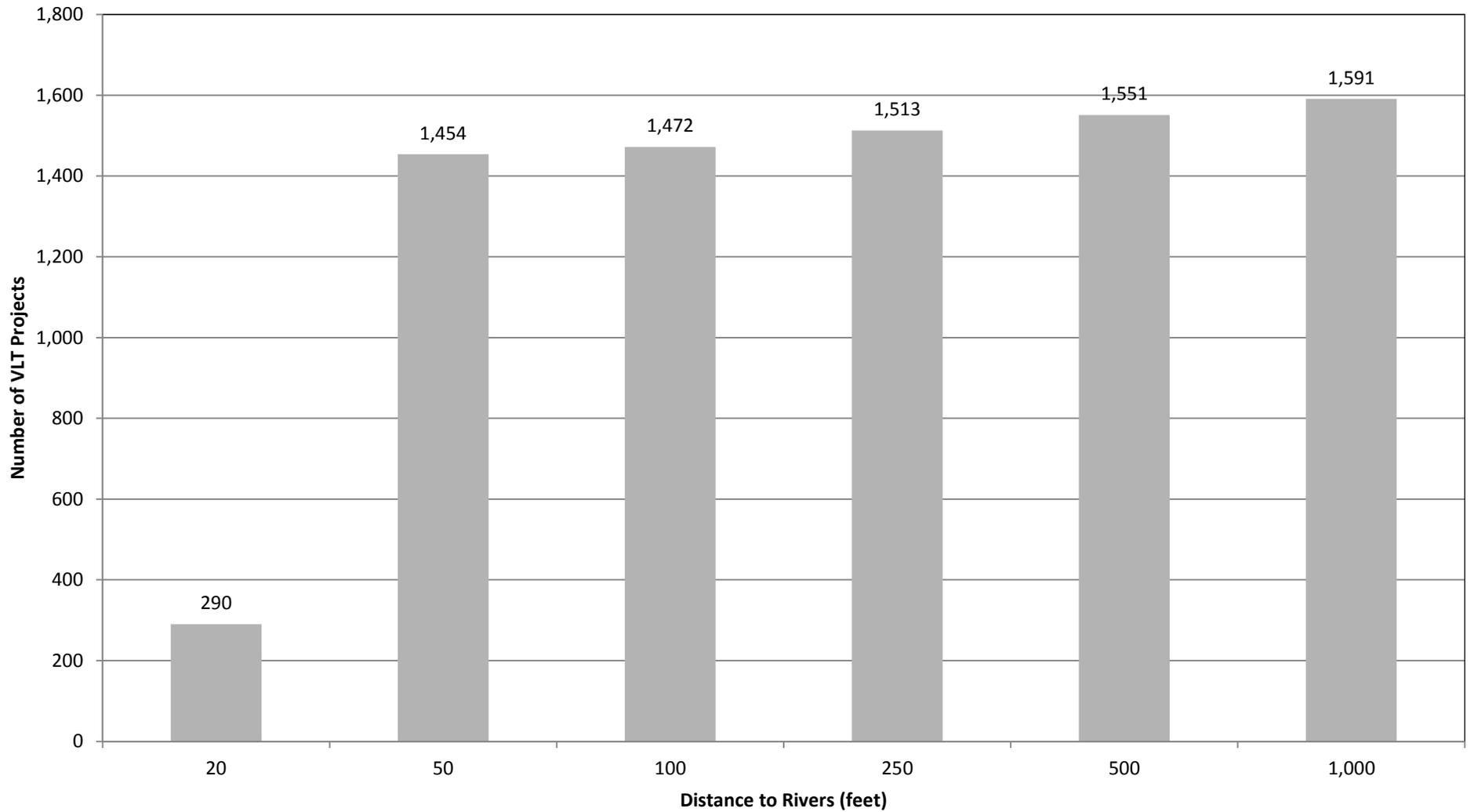
Developing new
flood plain

V 14.7%



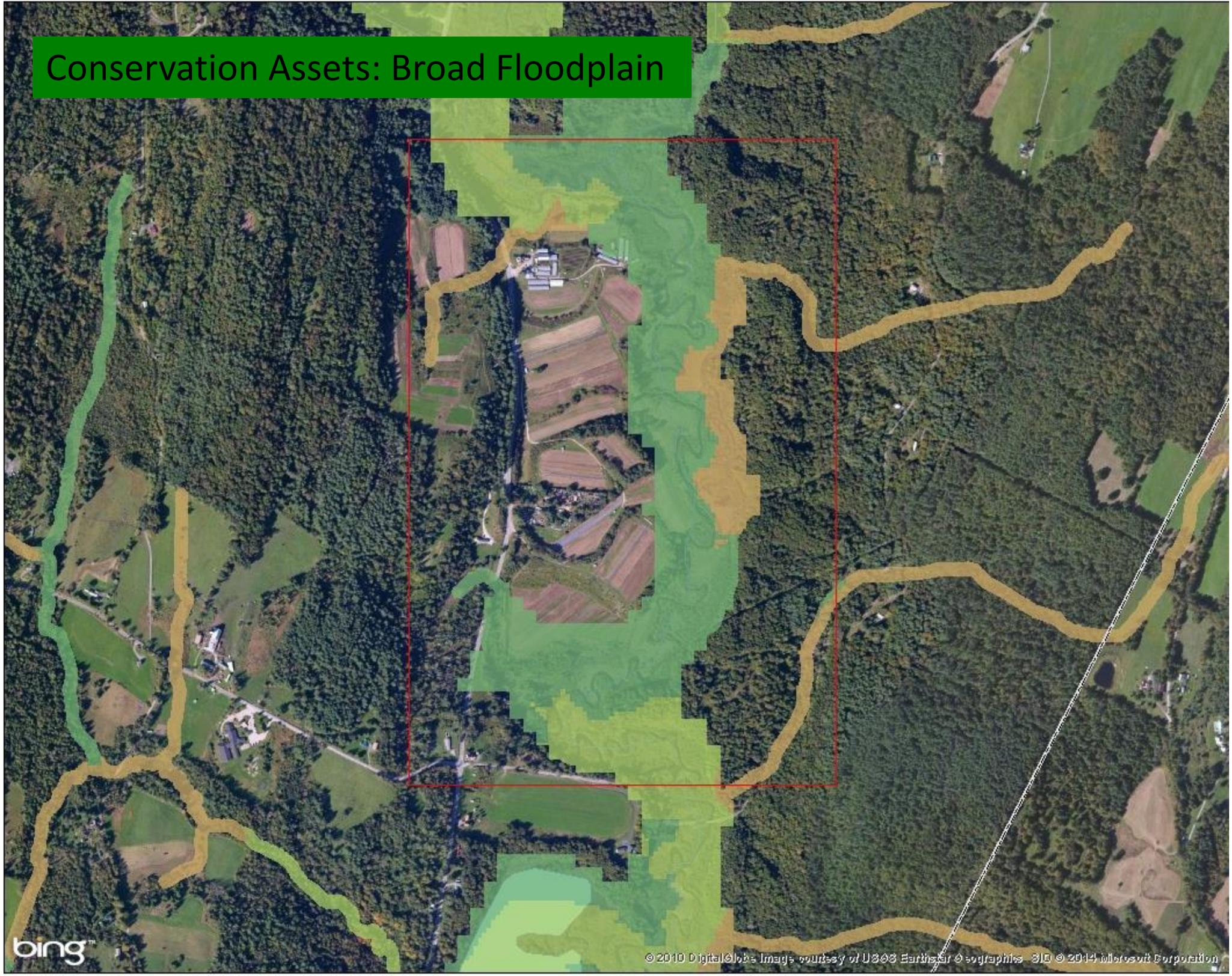
Source: Kline, 2013, after Schumm, et.al. and Simon 1989;

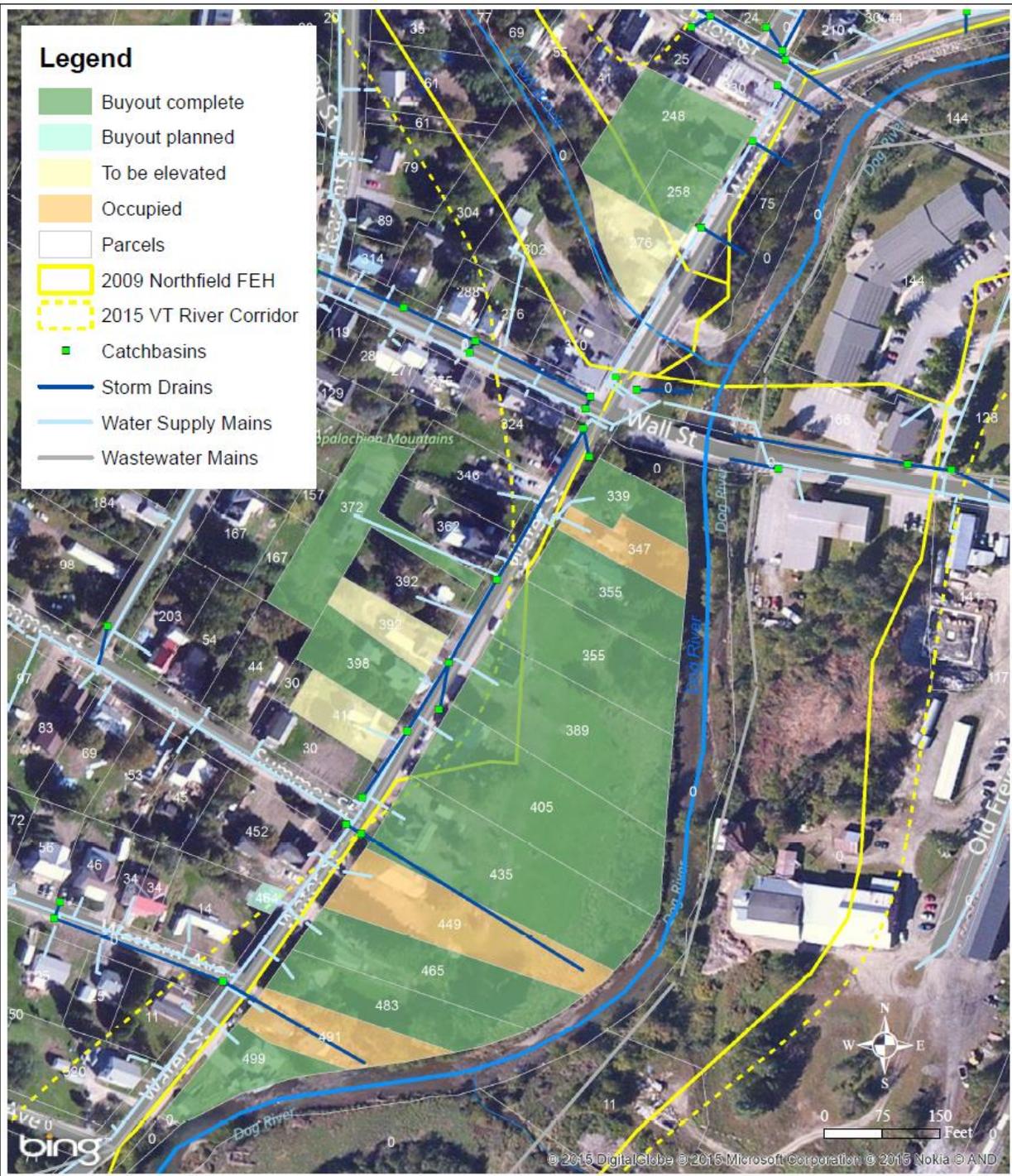
How close are the 1,608 VLT projects to river and stream channels?



Source: VLT, 2013

Conservation Assets: Broad Floodplain





SOURCE(S):
 Basemapping - Town of Northfield, VCGI
 Aerial photo - Bing

BUYOUT STATUS MAP

LOCATION:
 Northfield, Vermont

DOG RIVER FLOOD STUDY

MXD: Y:\3846-05\Maps\DogRiverNorthfieldBase.mxd

Map By: RKS
 MMI#: 3846-05
 Original: 2/2/2015
 Revision: 2/11/2015
 Scale: See scale bar.

MILONE & MACBROOM
 1 South Main Street, 2nd Floor
 Waterbury, Vermont 05676
 802.882.8335 / 802.882.8346 (Fax)
 www.miloneandmacbroom.com

CONSERVATION = FLOODPLAIN PROTECTION

- 1. Re-connect historic floodplains to minimize erosion**
- 2. Reduce risks by minimizing permanent infrastructure in floodprone areas**
- 3. Improve downstream water quality**
- 4. Minimize future impacts on land uses**
- 5. Providing access to parks, trails, and rivers**