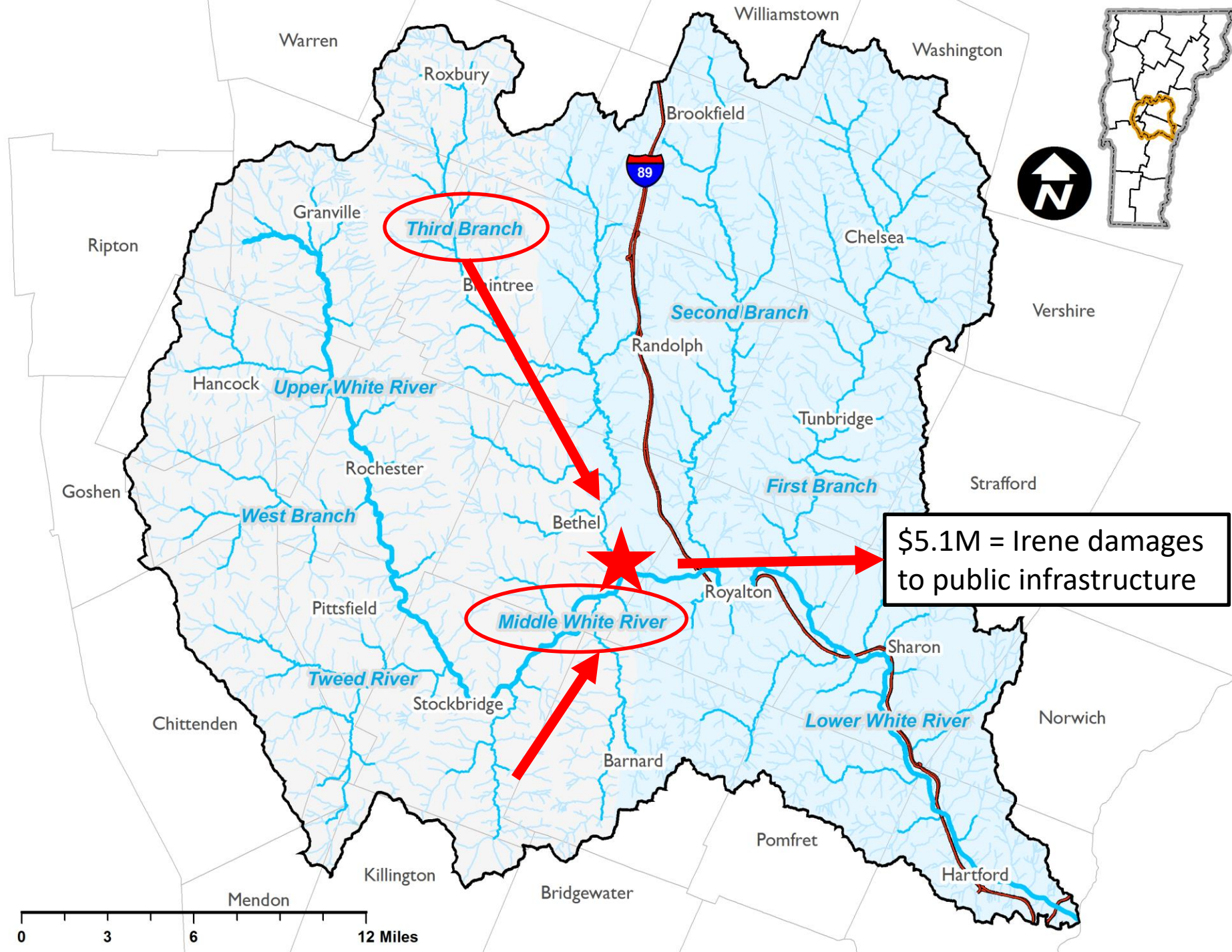
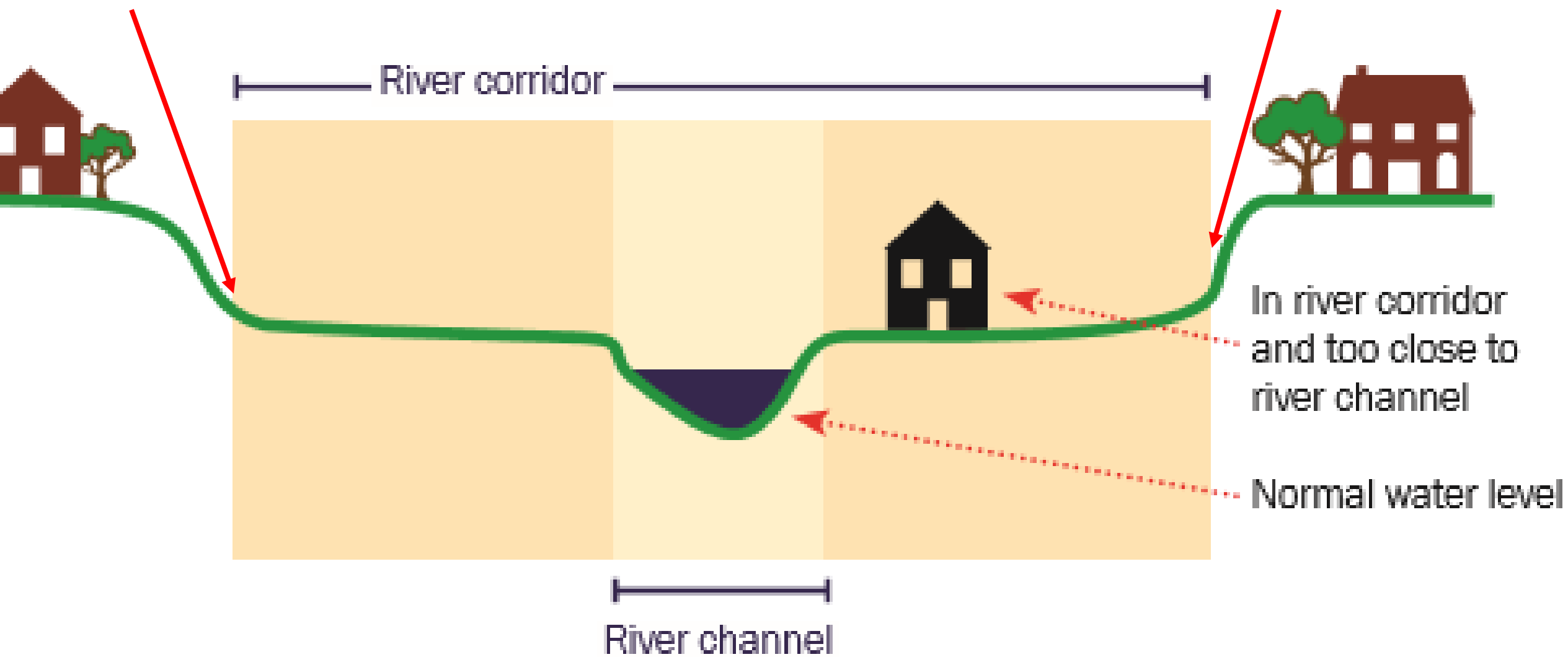


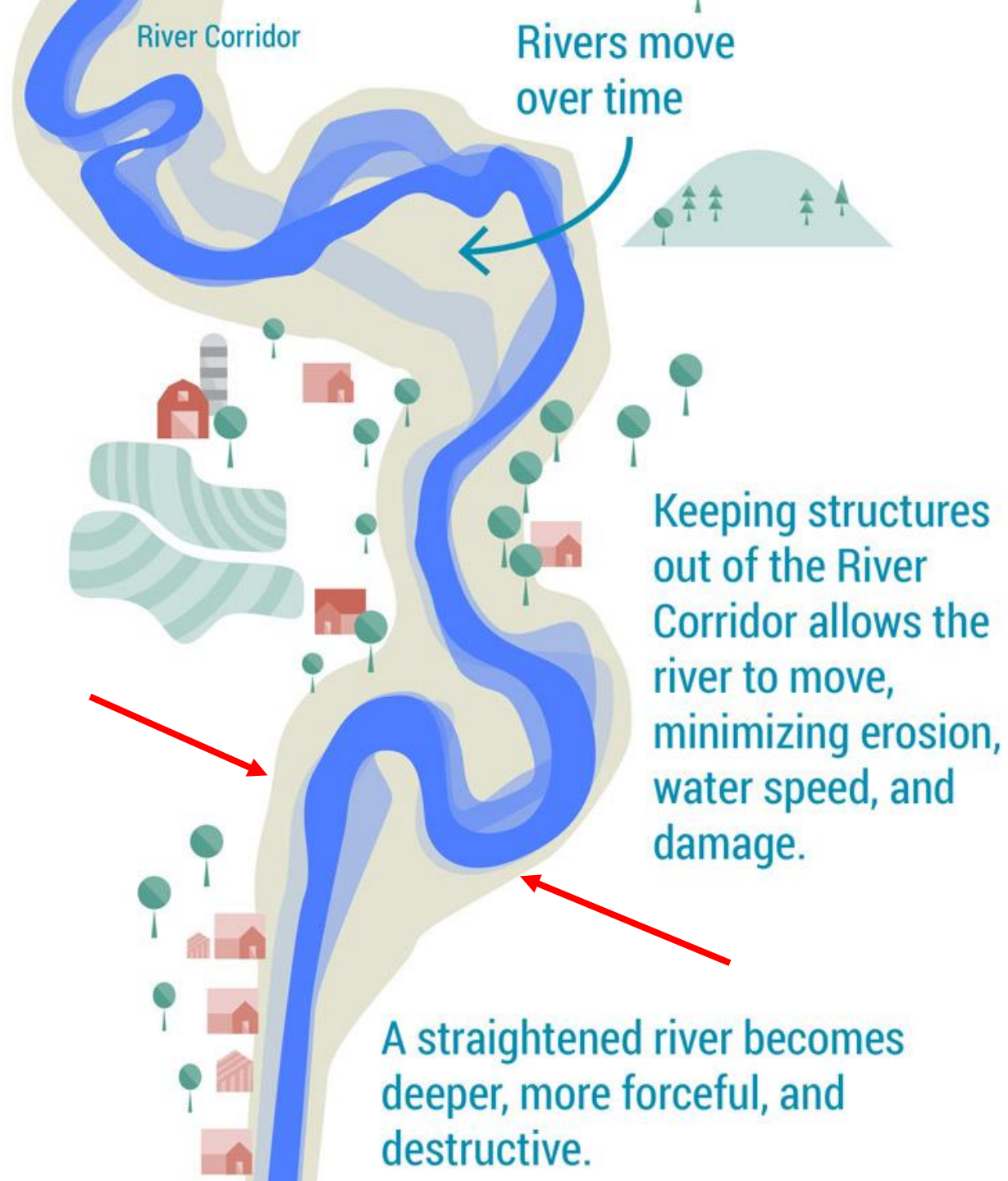


White River Corridor Restoration in Bethel

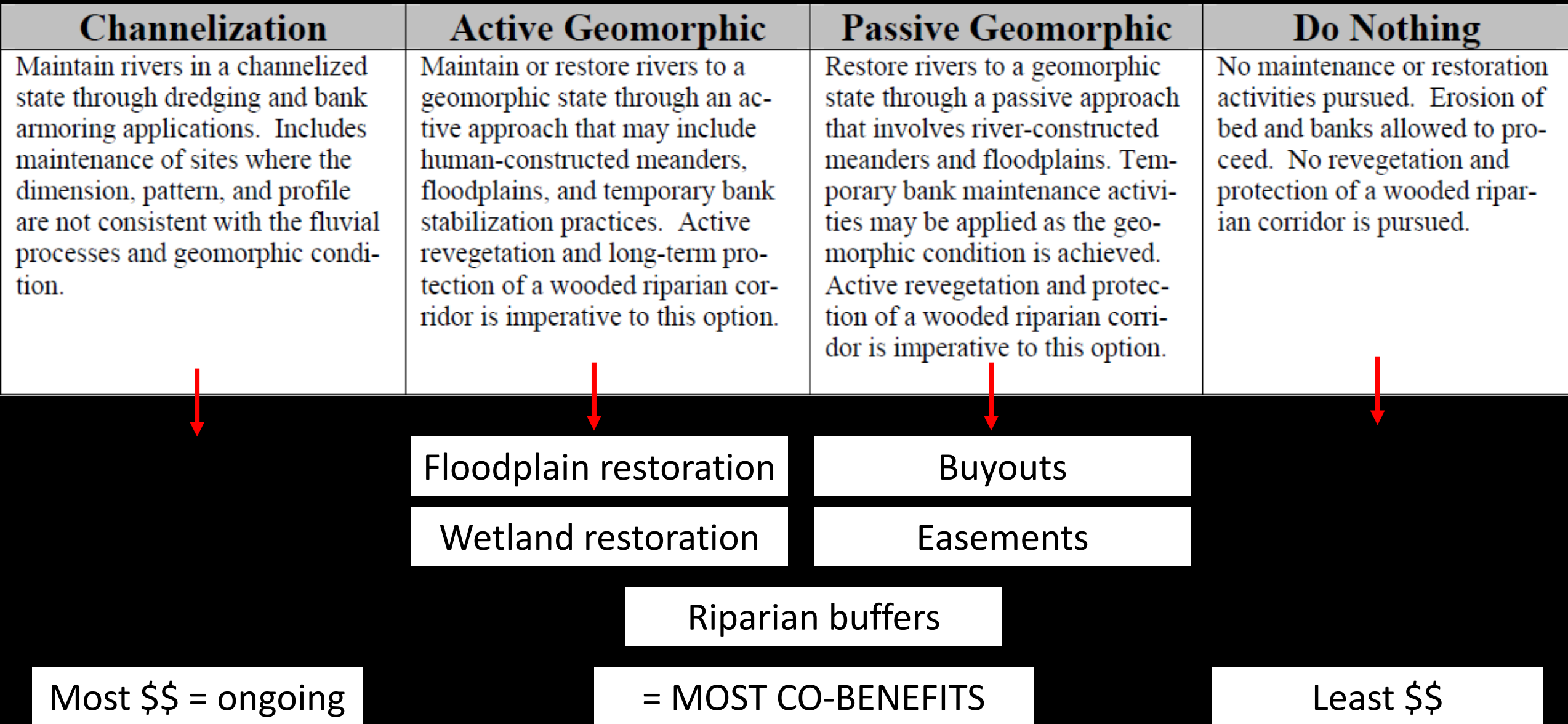
**Mary Russ, Executive Director
White River Partnership**







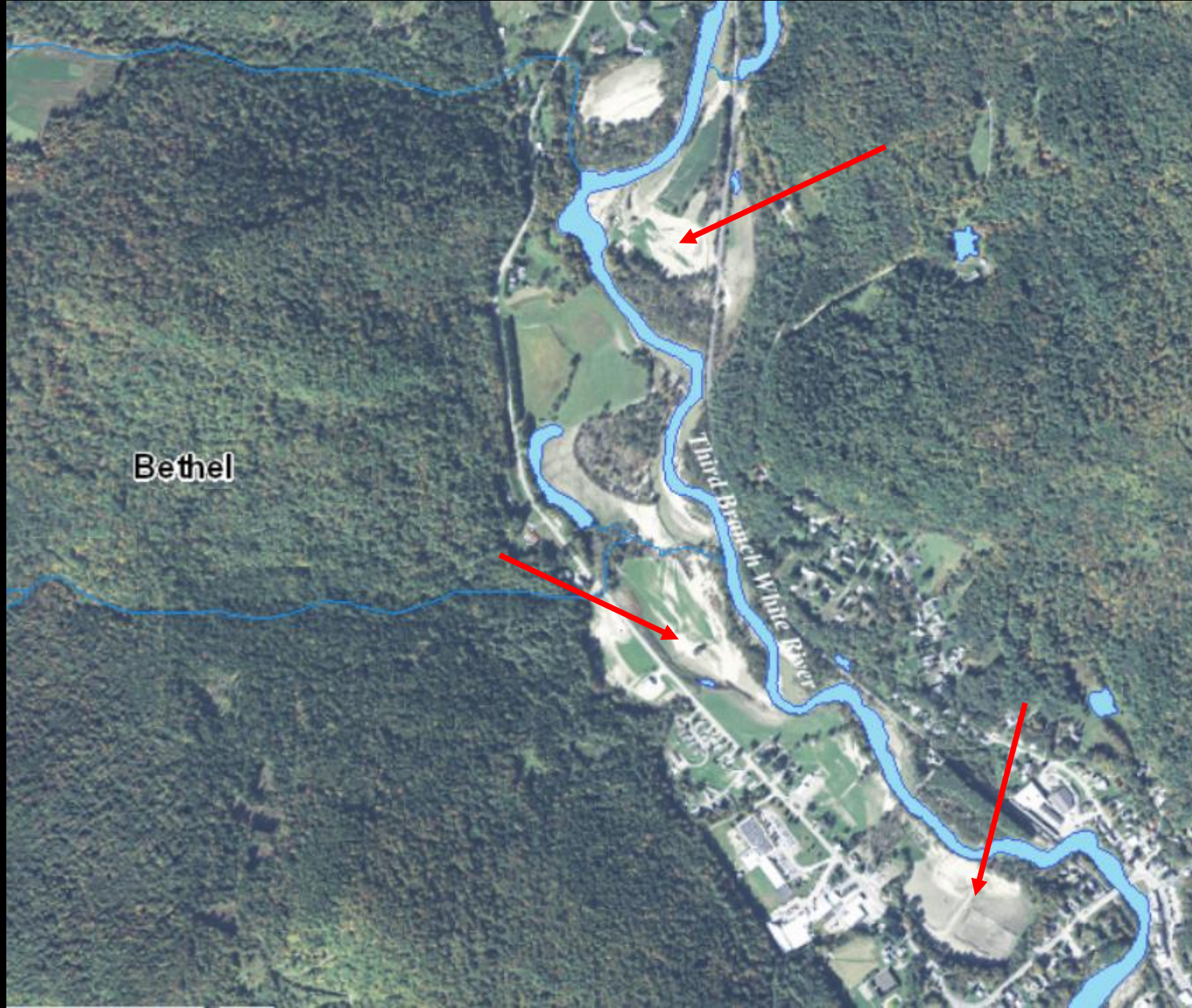
River Corridor Restoration Options





Bethel

Third Branch White River



Bethel

Third Branch White River



Bethel

United Branch White River



Bethel

Marsh Meadow buyout site



FORMER HOUSE SITE
PROTECT SPECIMEN TREES & SHRUBS
(GRABAPPLES, MAGNOLIAS & FORSYTHIA)

RIPARIAN BUFFER
PLANTINGS INCLUDING RED
OSIER DOGWOOD SHRUBS

RIVER
OVERLOOK
WITH PICNIC
TABLE



MEADOW

INTERPRETIVE
SIGN

FLOOD DIVERTING
WATER BARS
(TYP OF 3)

NEW ENGLAND CENTRAL RAILROAD

PINE PLANTATION

COMPACTED
GRAVEL TRAIL
SYSTEM

MARSH MEADOW PARK
251 MARSH MEADOW RD
DEVELOPED PARK AREA =
3.4 ACRES

FLOODWAY
BOUNDARY

ROOFED PARK
SIGN/KIOSK/DOG
WASTE STATION

EXISTING
GATE

RENTAL TOILET WITH
WOODEN SCREENING

HIGH-WATER SIGHTING
TUBE



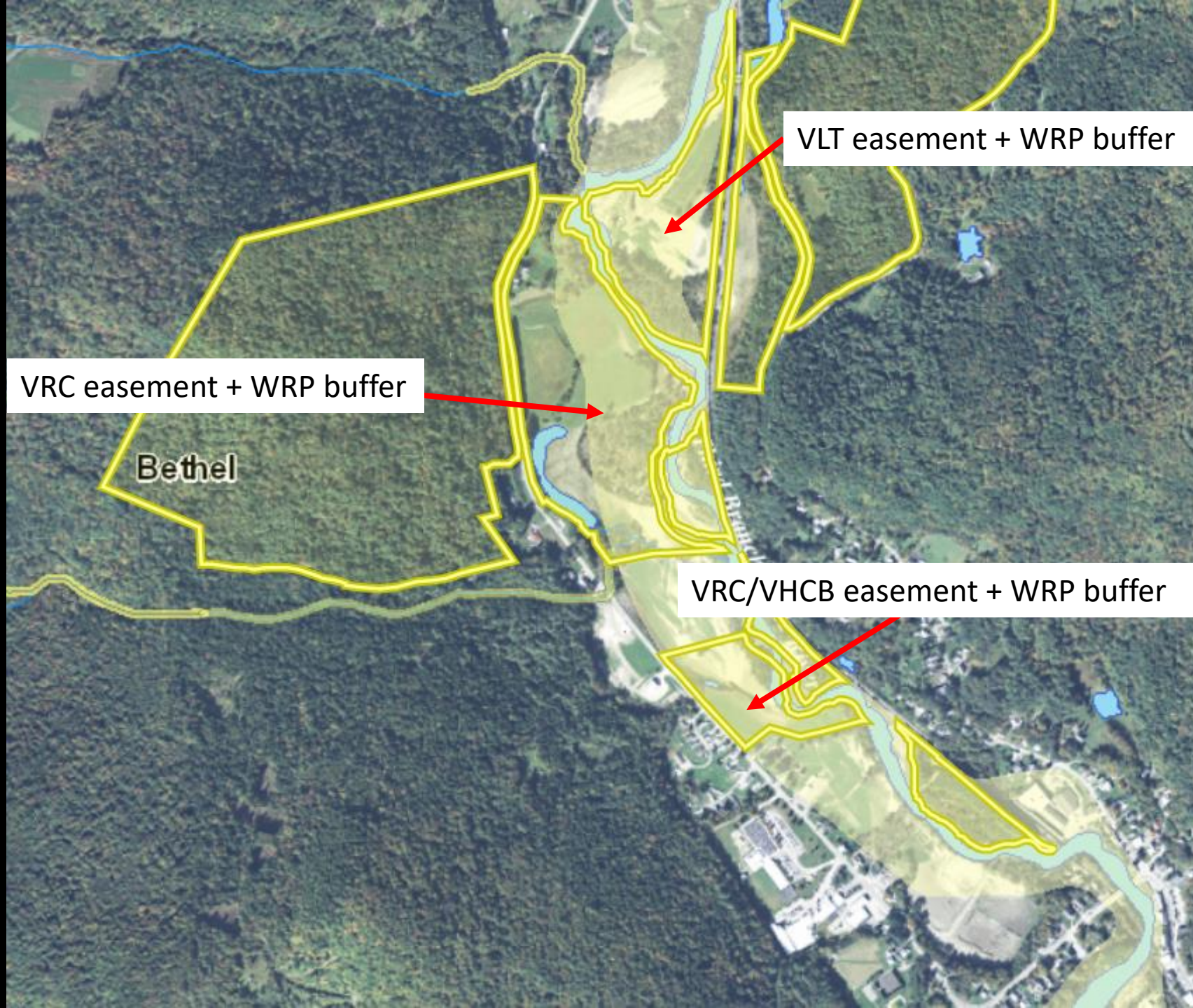
RIVER
ACCESS

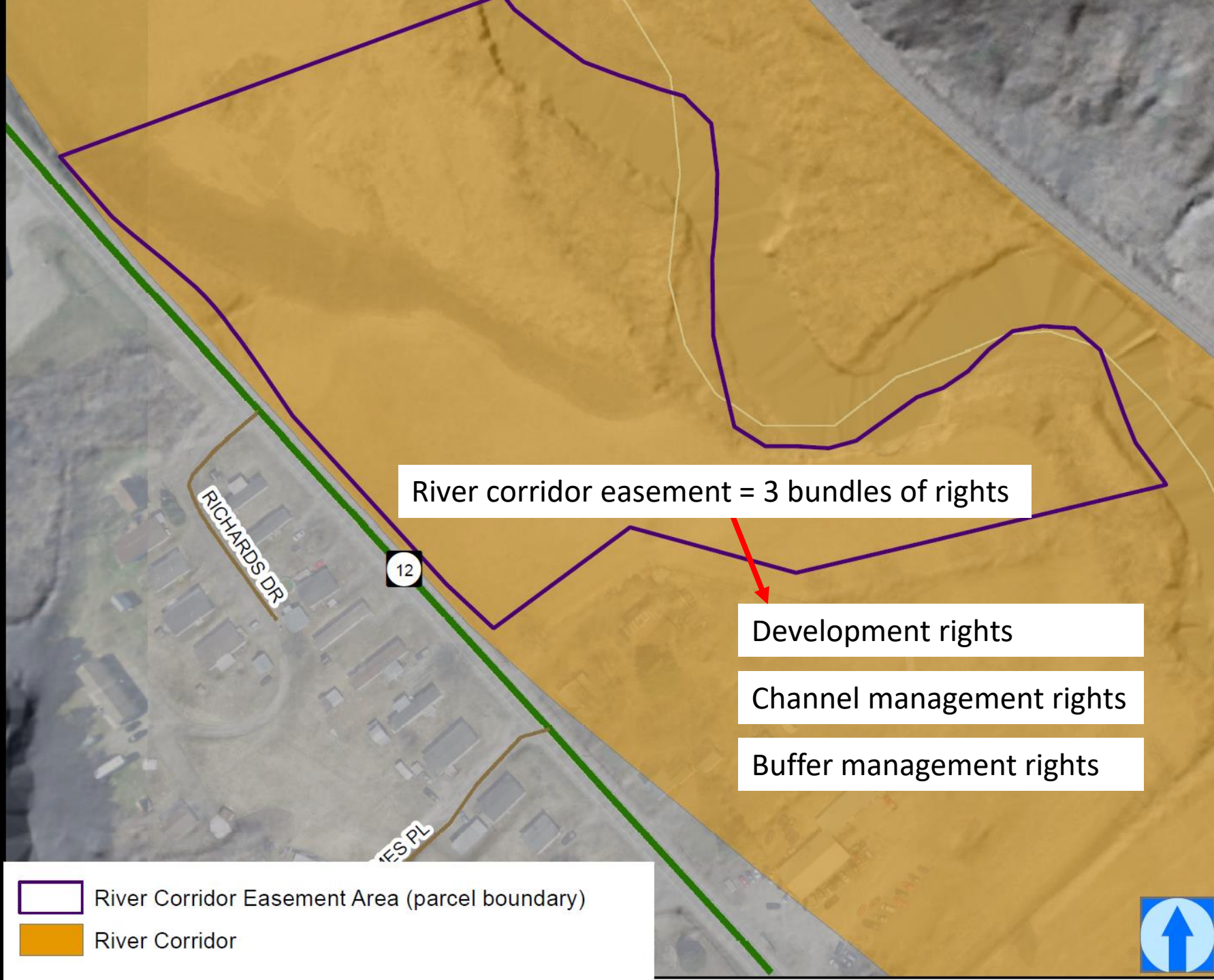
5 SPACE GRAVEL
PARKING AREA. PLACE
STONE RIPRAP UNDER
GRAVEL TO REDUCE
SCOUR OF PARKING &
PUMP STATION DURING
FLOOD EVENTS



PICNIC
TABLE

BETHEL
SEWER PUMP
STATION

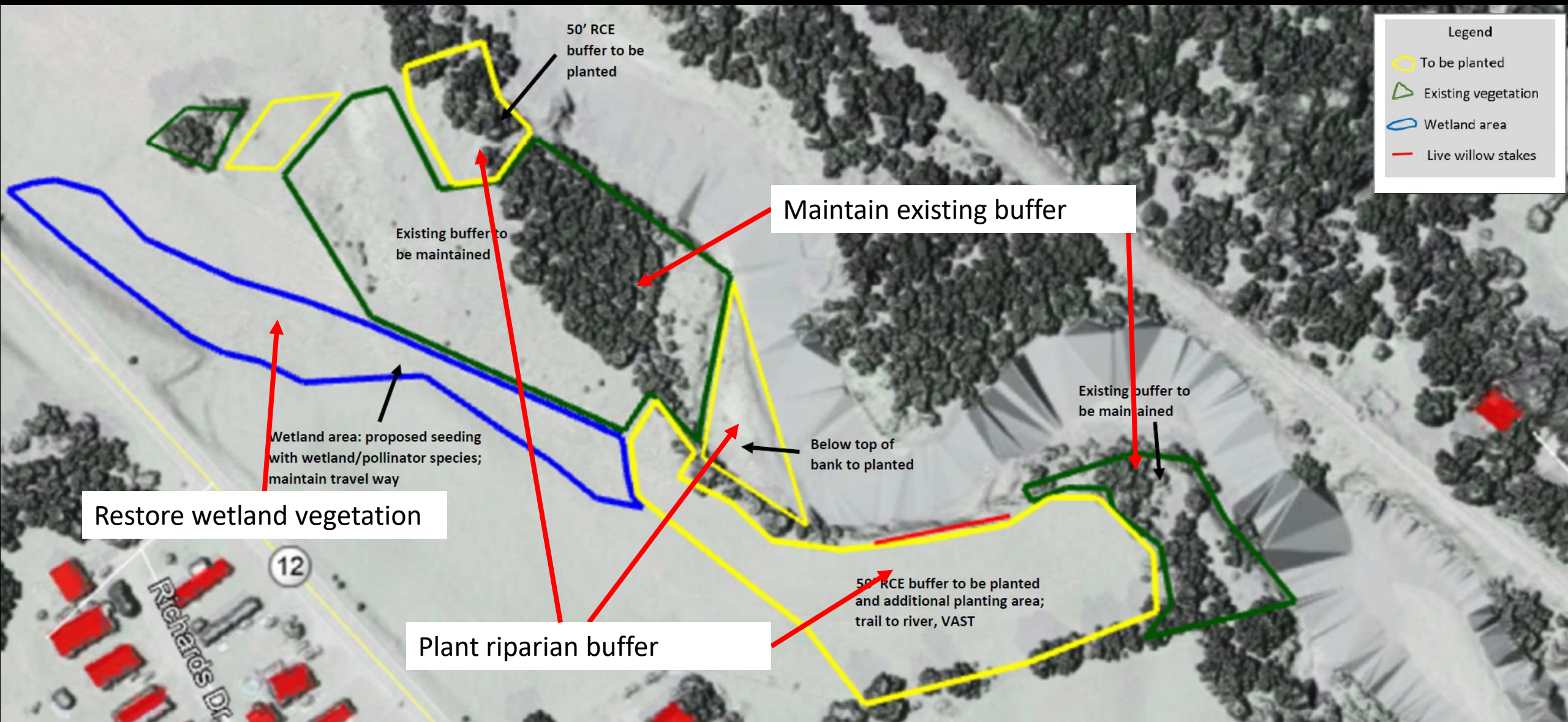
FLOODWAY
BOUNDARY





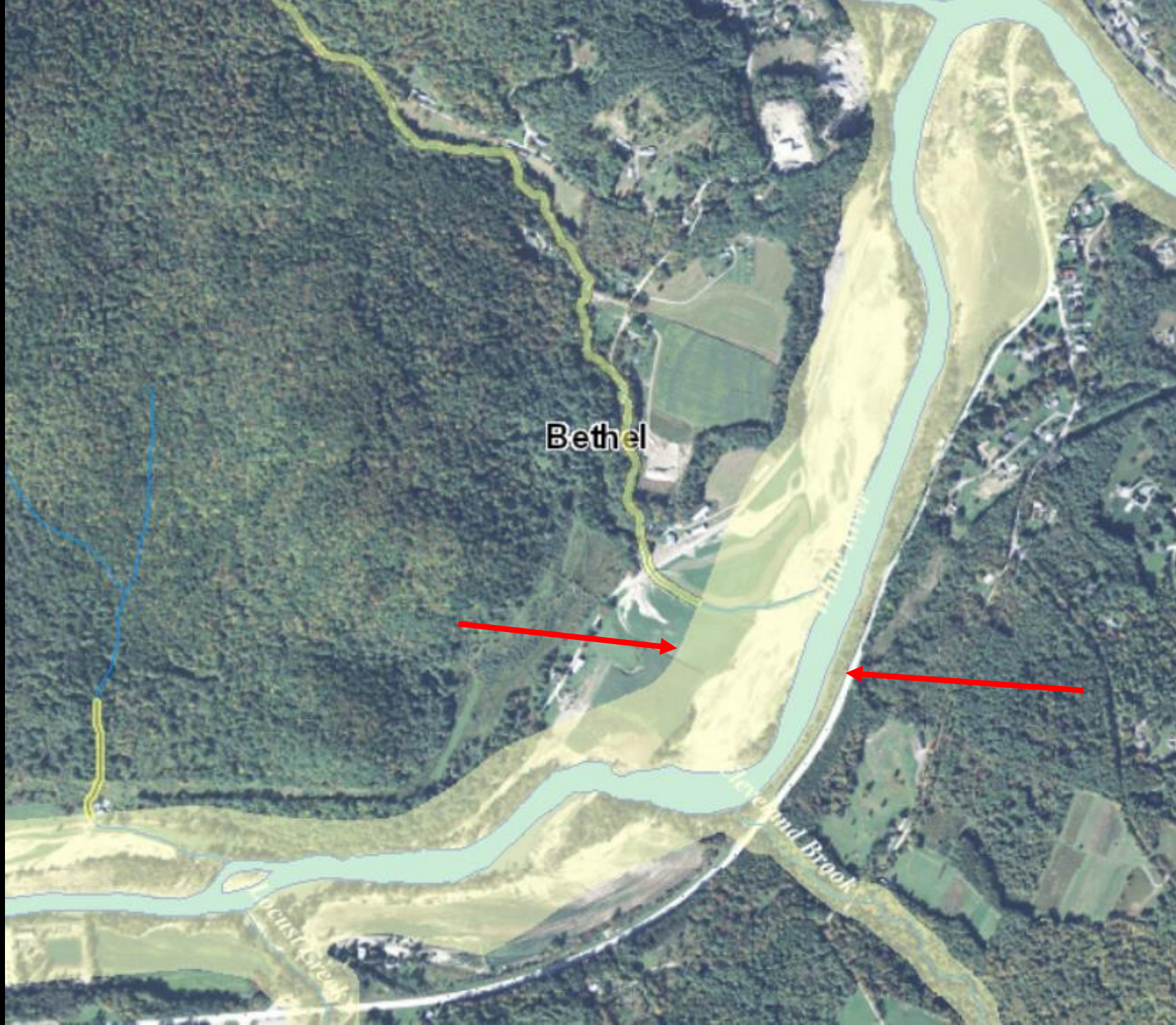
-  River Corridor Easement Area (parcel boundary)
-  River Corridor

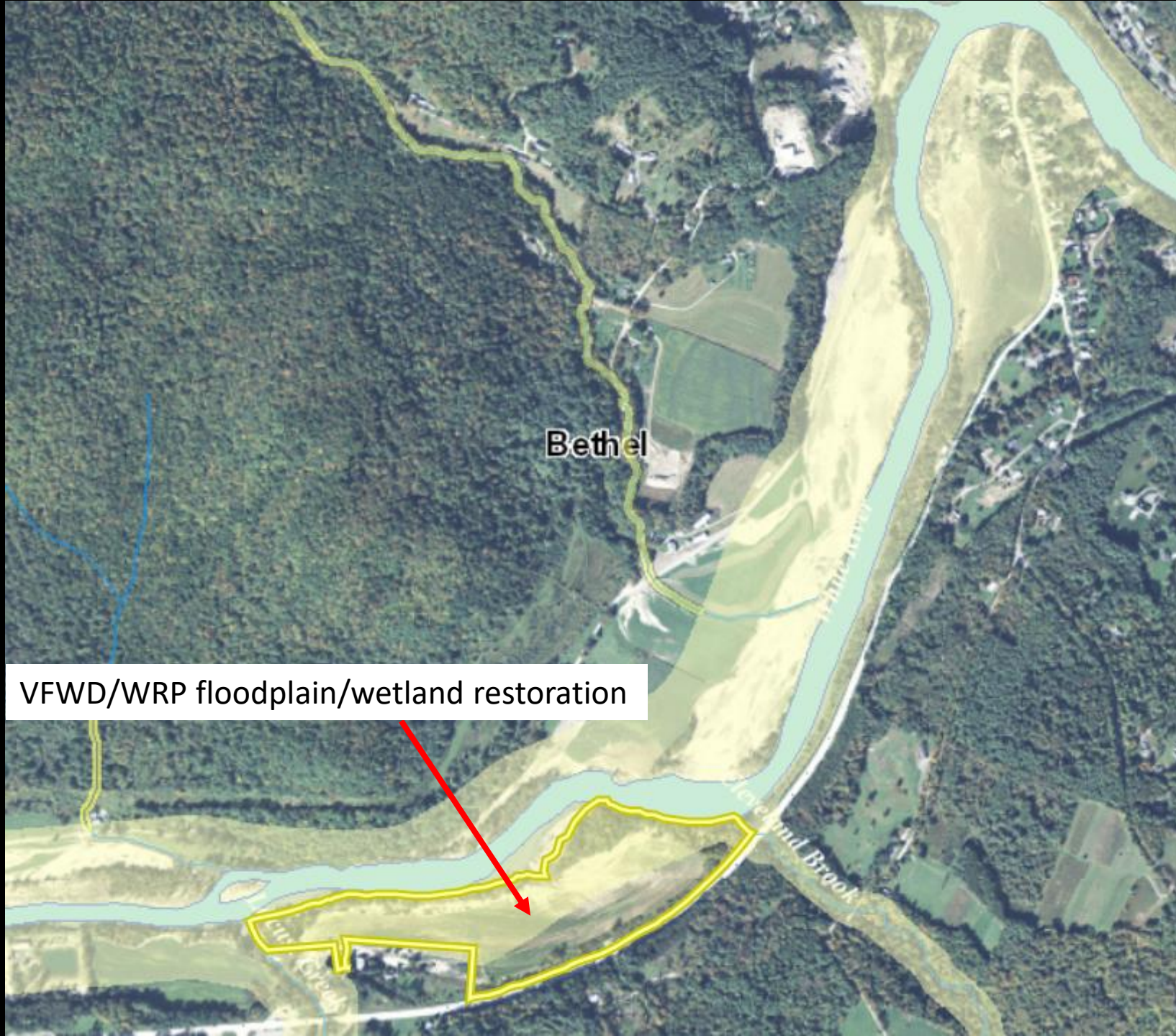








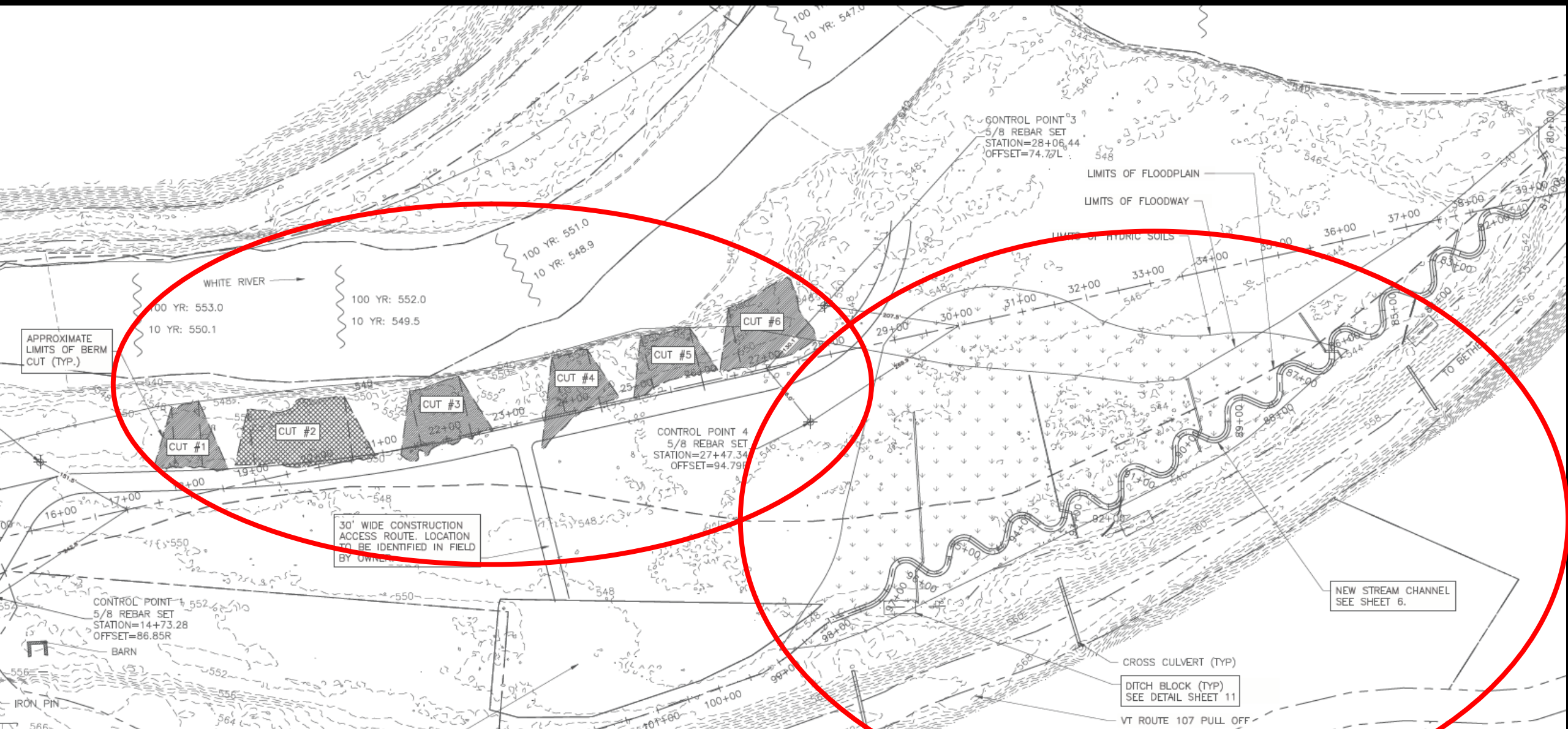




Bethel

VFWD/WRP floodplain/wetland restoration

Long Pond Brook





Bedford

VLT easement + WRP/partners buffer

Caledonia Brook

O&M: River Corridor Restoration

- Buyouts = follow deed restrictions; annual stewardship of public access easement
- River corridor easements = annual stewardship
- Riparian buffers = routine monitoring; stewardship as-needed
- Floodplain/wetland restoration = routine monitoring

Lessons-learned: River Corridor Restoration

- Need to plan for climate change = more rain, more often
- Importance of well-buffered river corridors = provide lateral & temporal connectivity
- Complex projects require multiple partners at local, state, and regional levels
- Community engagement & buy-in is key

References

- Irene damage totals in Bethel:
<https://floodready.vermont.gov/sites/floodready/files/documents/2013-IRO-final-report%20reduced.pdf>
- River corridor graphics & restoration alternatives:
<https://dec.vermont.gov/watershed/rivers/river-corridor-and-floodplain-protection/planning>
- WRP project designs & site plans
- Questions? Mary Russ, mary@whiteriverpartnership.org