



# PIANO STRUTTURALE

## i - STUDIO IDROLOGICO-IDRAULICO

### A-5 Allegato modellazione idraulica U.T.O.E. Grilli

*Sindaco:*

Andrea Biondi

*Giunta Comunale:*

Francesca Bargiacchi

Claudio Saragosa

Daniele Tonini

Stefania Ulivieri

*Responsabile del Procedimento:*

Massimo Padellini

*Garante dell'Informazione e della  
Partecipazione:*

Stefania Pepi

*Progettisti:*

Stefano Giommoni

Rita Monaci

Pietro Pettini

*Indagini geologiche:*

Sandro Ricci

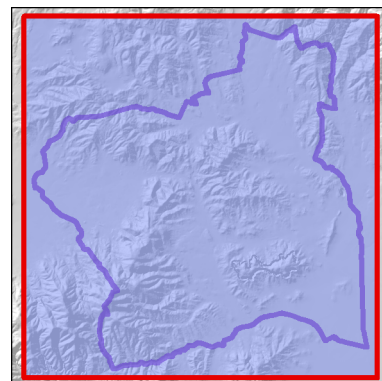
*Indagini idrauliche:*

Mario Di Felice

*Collaboratori:*

Giovanna Pessina

Riccardo Rossi



Piano Strutturale Comunale - Piano Operativo Comunale

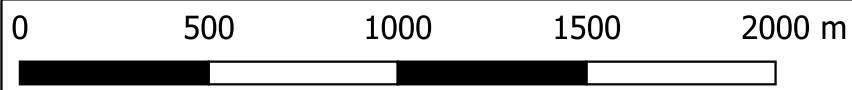
**PS**  
**PO**

RELAZIONE IDROLOGICO-IDRAULICA  
Allegati modellazione idraulica

Zona di studio: U.T.O.E. Grilli

- Battenti Tr30 anni – Tp=1 ora
- Battenti Tr30 anni – Tp=2 ore
- Battenti Tr30 anni – Tp=5 ore
- Battenti Tr200 anni – Tp=1 ora
- Battenti Tr200 anni – Tp=2 ore
- Battenti Tr200 anni – Tp=5 ore
- Velocità Tr30 anni – Tp=1 ora
- Velocità Tr30 anni – Tp=2 ore
- Velocità Tr30 anni – Tp=5 ore
- Velocità Tr200 anni – Tp=1 ora
- Velocità Tr200 anni – Tp=2 ore
- Velocità Tr200 anni – Tp=5 ore







**AMBITI DI TRASFORMAZIONE**


 UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI


**PERIMETRI CENTRI ABITATI**


 TU\_c3\_GRILLI


**BATTENTI\_Tr30\_1h**

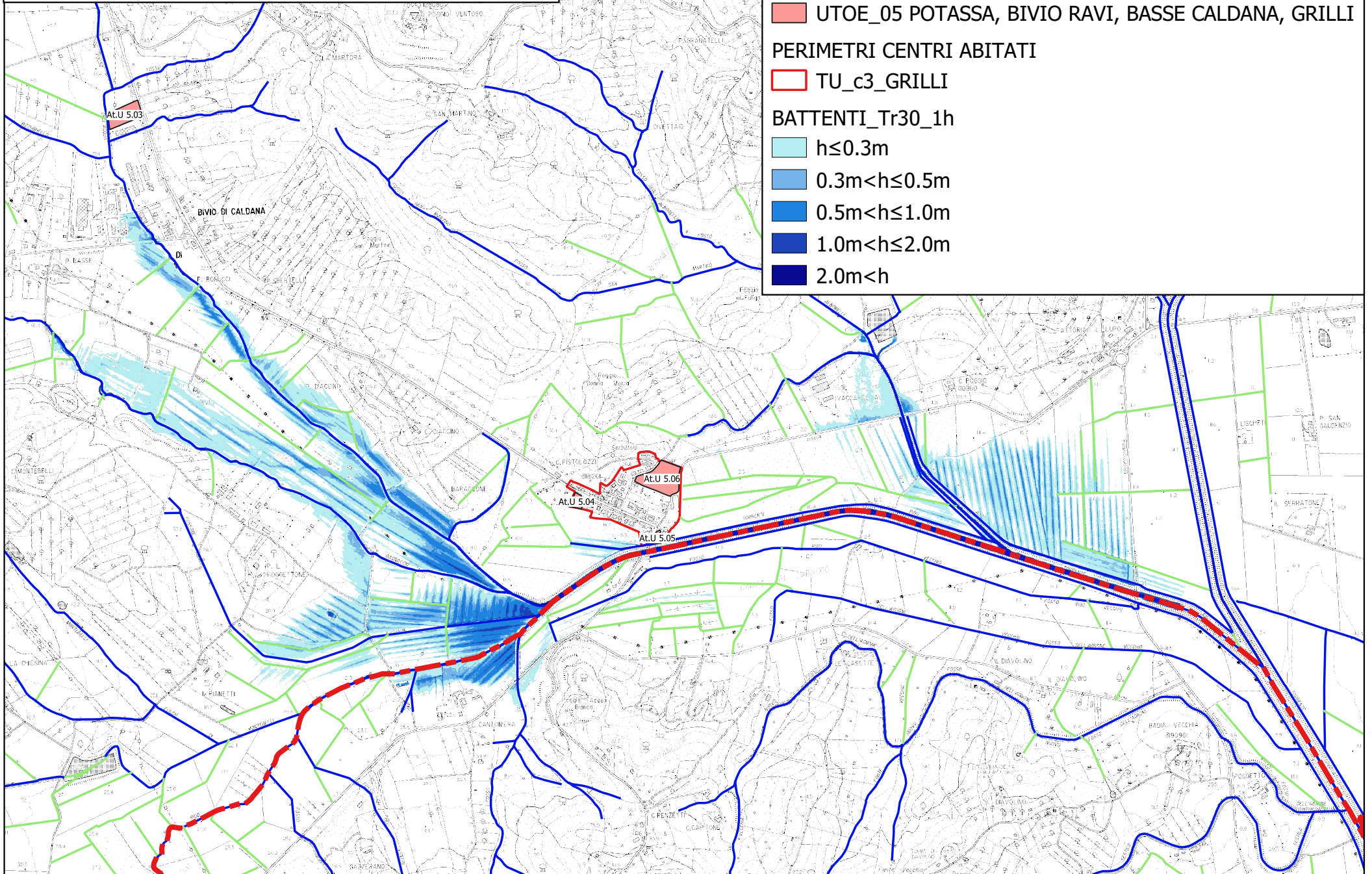
  $h \leq 0.3m$

  $0.3m < h \leq 0.5m$

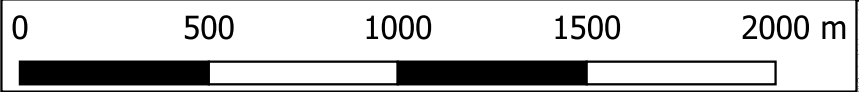
  $0.5m < h \leq 1.0m$

  $1.0m < h \leq 2.0m$

  $2.0m < h$









**AMBITI DI TRASFORMAZIONE**


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**PERIMETRI CENTRI ABITATI**


 TU\_c3\_GRILLI


**BATTENTI\_Tr30\_2h**

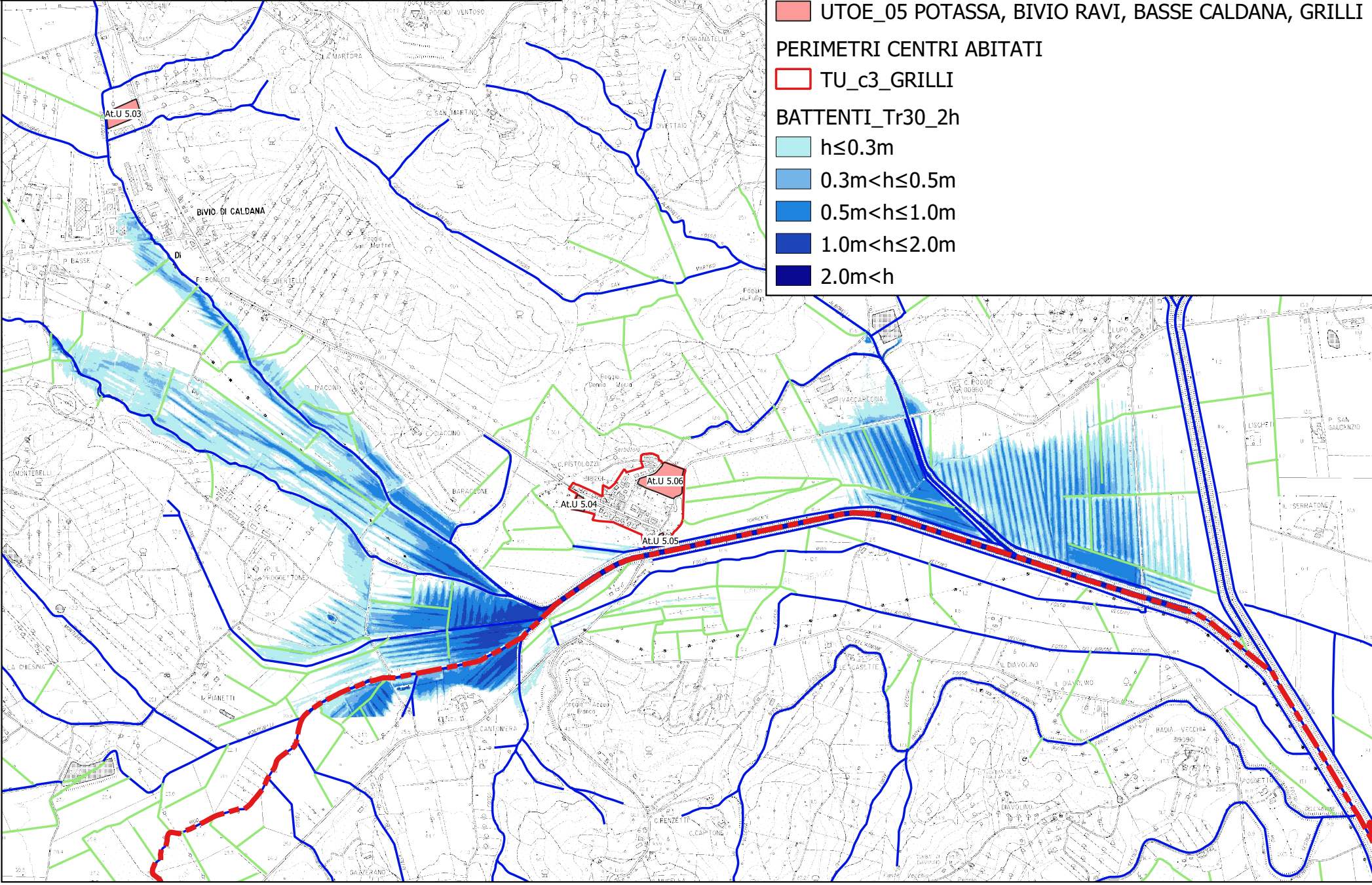
  $h \leq 0.3m$

  $0.3m < h \leq 0.5m$

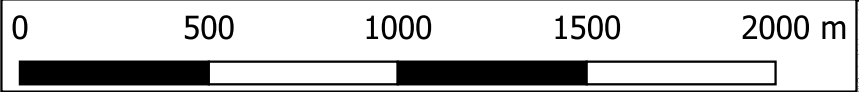
  $0.5m < h \leq 1.0m$

  $1.0m < h \leq 2.0m$

  $2.0m < h$









**AMBITI DI TRASFORMAZIONE**


 UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI


**PERIMETRI CENTRI ABITATI**


 TU\_c3\_GRILLI


**BATTENTI\_Tr30\_5h**

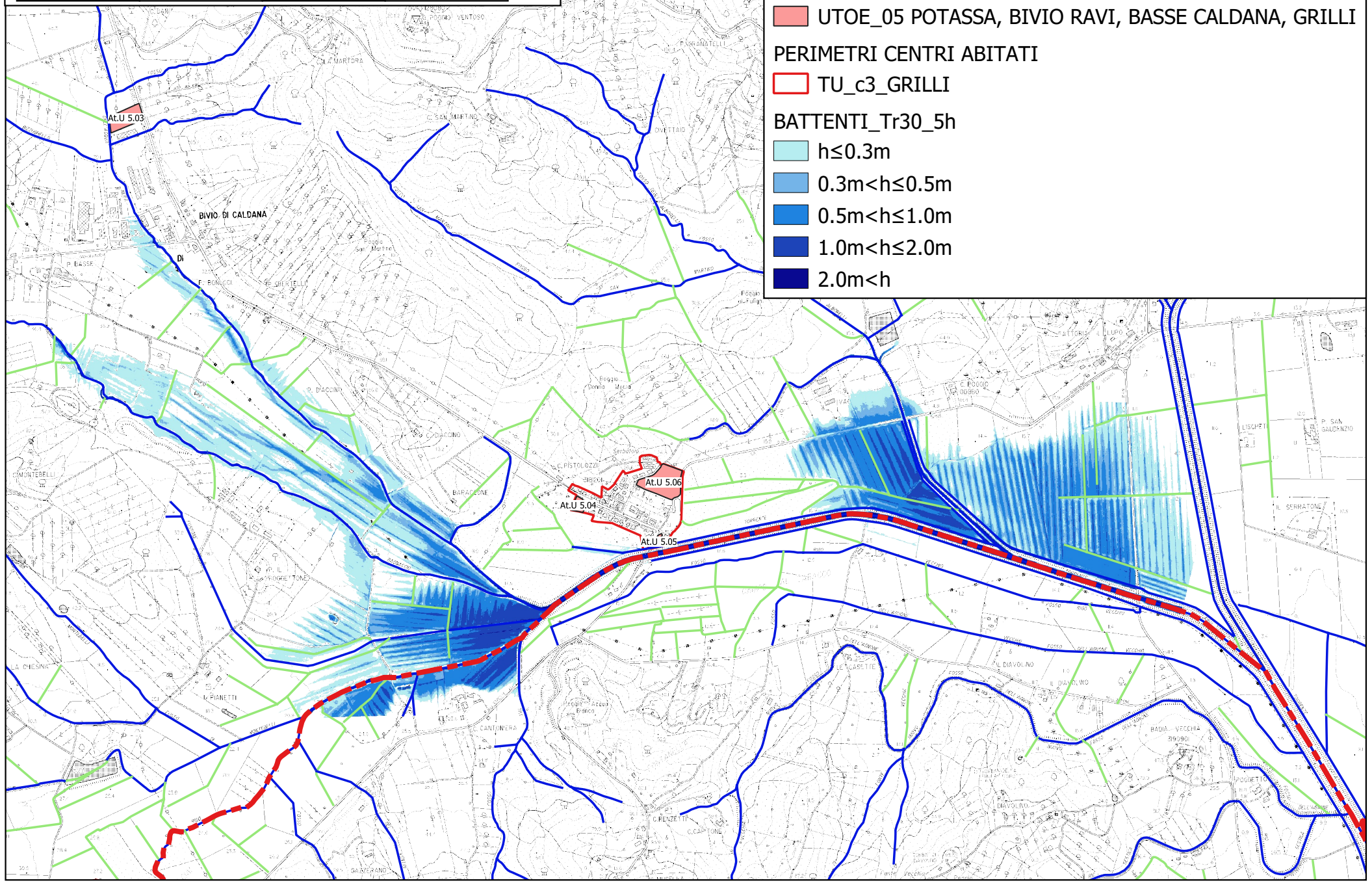
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  $0.3m < h \leq 0.5m$

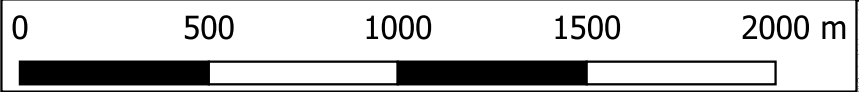
  $0.5m < h \leq 1.0m$

  $1.0m < h \leq 2.0m$

  $2.0m < h$









**AMBITI DI TRASFORMAZIONE**


 UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI

**PERIMETRI CENTRI ABITATI**

 TU\_c3\_GRILLI


**BATTENTI\_Tr200\_1h**

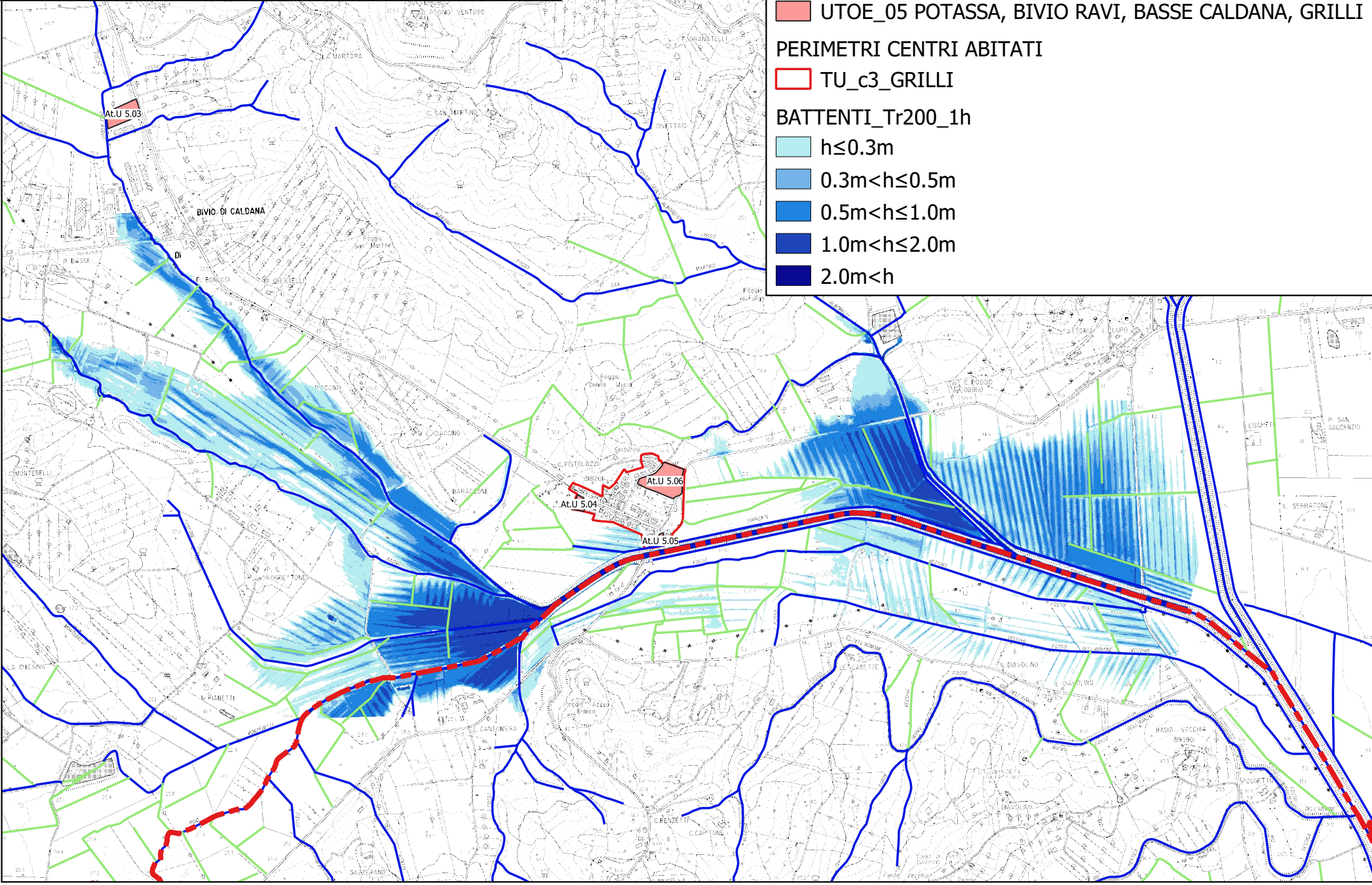
  $h \leq 0.3m$

  $0.3m < h \leq 0.5m$

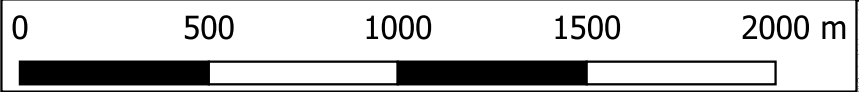
  $0.5m < h \leq 1.0m$

  $1.0m < h \leq 2.0m$

  $2.0m < h$









**AMBITI DI TRASFORMAZIONE**


 UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI


**PERIMETRI CENTRI ABITATI**


 TU\_c3\_GRILLI


**BATTENTI\_Tr200\_2h**

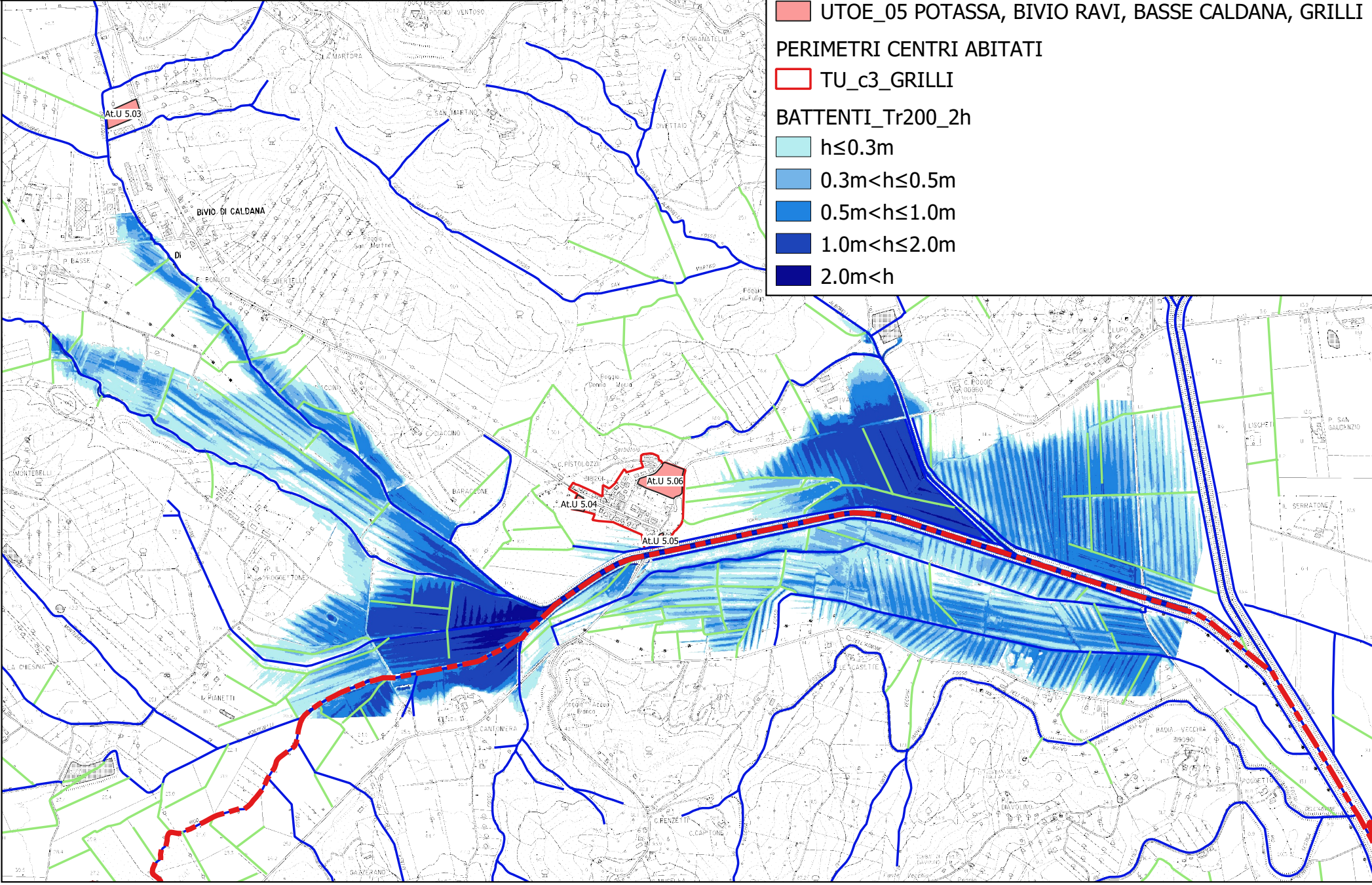
  $h \leq 0.3m$

  $0.3m < h \leq 0.5m$

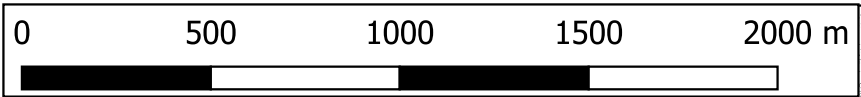
  $0.5m < h \leq 1.0m$

  $1.0m < h \leq 2.0m$

  $2.0m < h$









### AMBITI DI TRASFORMAZIONE


 UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI


### PERIMETRI CENTRI ABITATI


 TU\_c3\_GRILLI


### BATTENTI\_Tr200\_5h

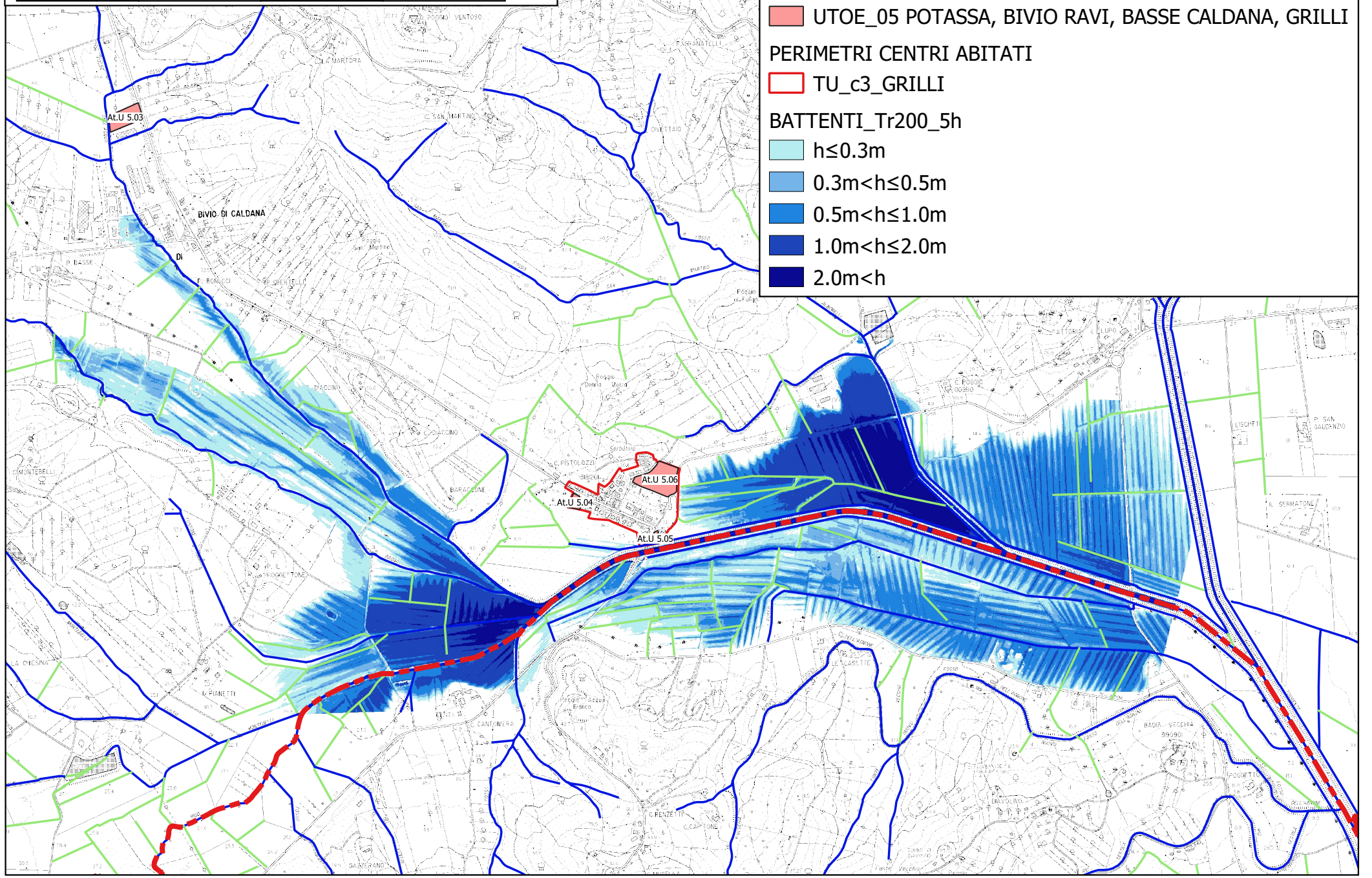
  $h \leq 0.3m$

  $0.3m < h \leq 0.5m$

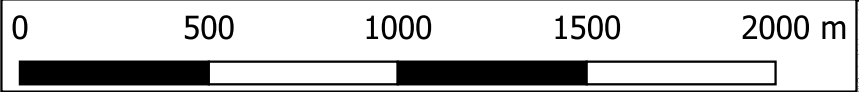
  $0.5m < h \leq 1.0m$

  $1.0m < h \leq 2.0m$

  $2.0m < h$







AMBITI DI TRASFORMAZIONE

UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI

PERIMETRI CENTRI ABITATI

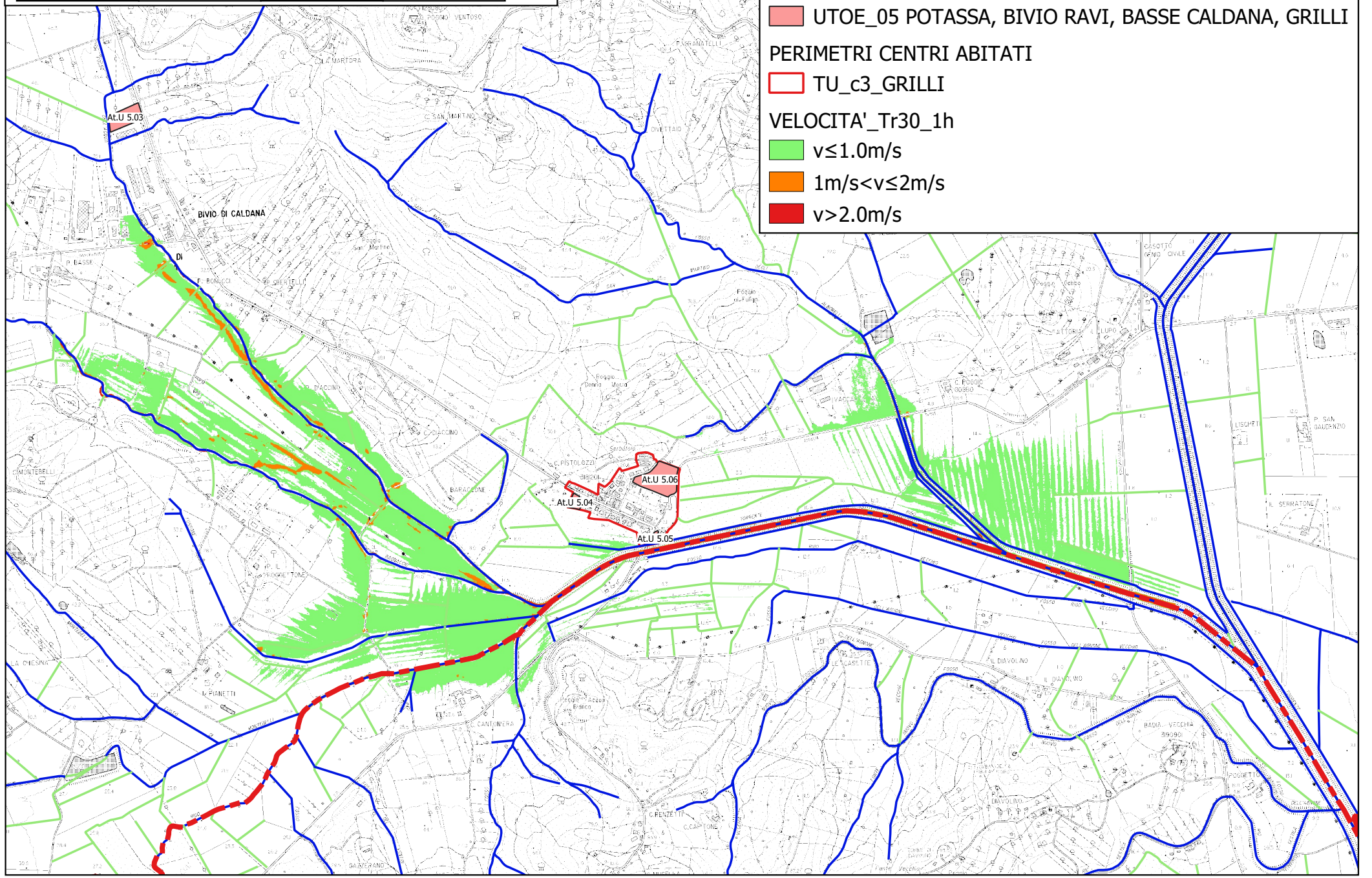
TU\_c3\_GRILLI

VELOCITA' Tr30\_1h

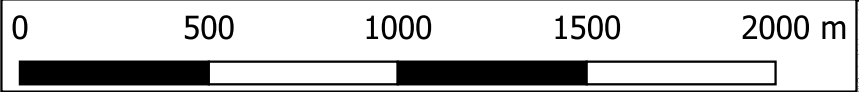
$v \leq 1.0 \text{ m/s}$

$1 \text{ m/s} < v \leq 2 \text{ m/s}$

$v > 2.0 \text{ m/s}$







AMBITI DI TRASFORMAZIONE

UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI

PERIMETRI CENTRI ABITATI

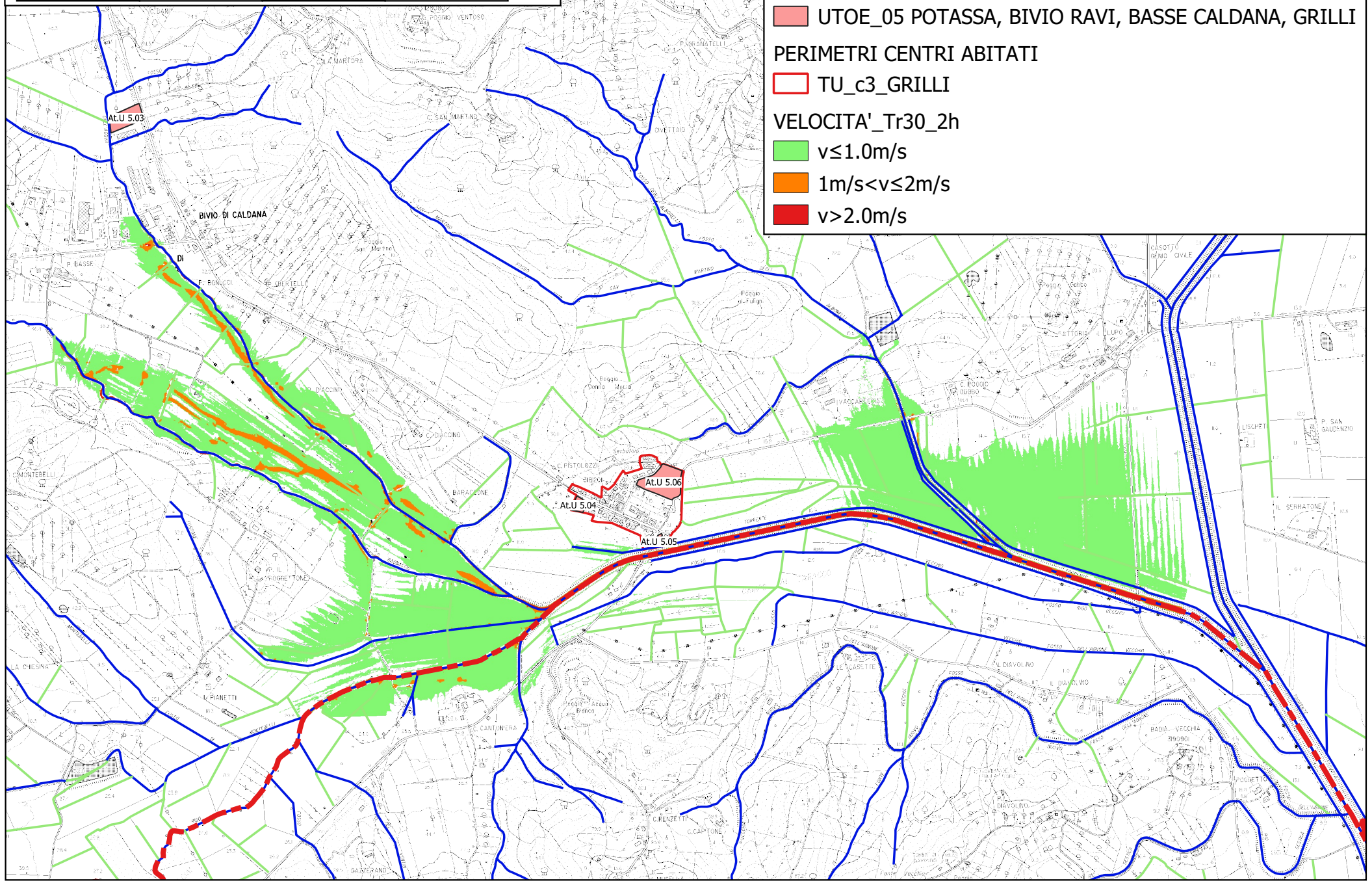
TU\_c3\_GRILLI

VELOCITA' Tr30\_2h

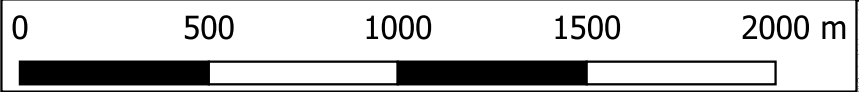
$v \leq 1.0 \text{ m/s}$

$1 \text{ m/s} < v \leq 2 \text{ m/s}$

$v > 2.0 \text{ m/s}$







AMBITI DI TRASFORMAZIONE

UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI

PERIMETRI CENTRI ABITATI

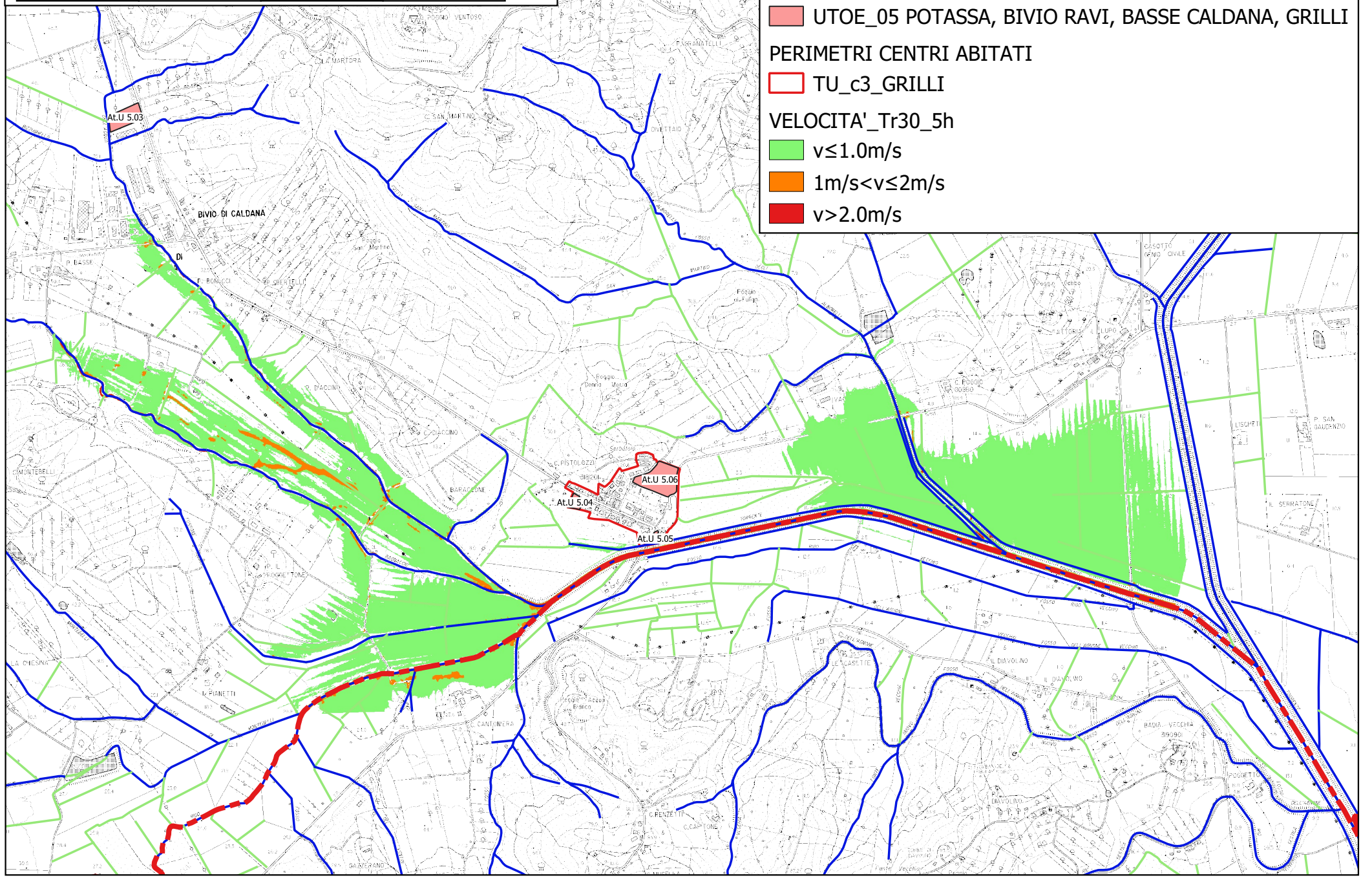
TU\_c3\_GRILLI

VELOCITA' Tr30\_5h

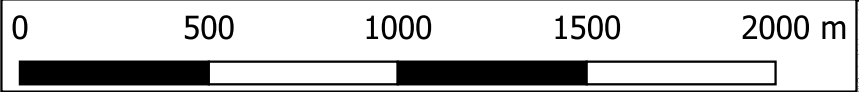
$v \leq 1.0 \text{ m/s}$

$1 \text{ m/s} < v \leq 2 \text{ m/s}$

$v > 2.0 \text{ m/s}$








AMBITI DI TRASFORMAZIONE


UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI


PERIMETRI CENTRI ABITATI

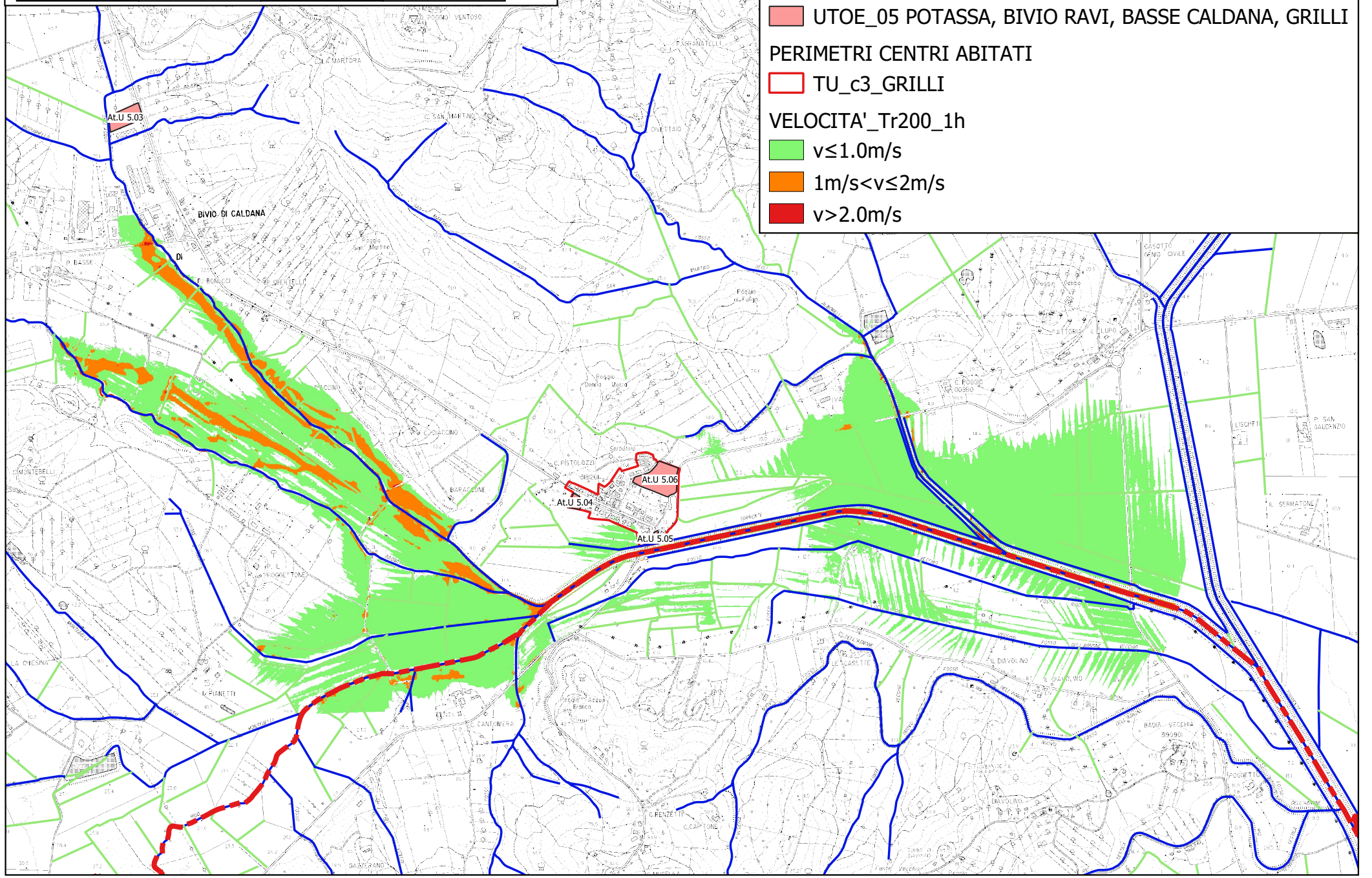
TU\_c3\_GRILLI

VELOCITA' Tr200\_1h

  $v \leq 1.0 \text{ m/s}$

  $1 \text{ m/s} < v \leq 2 \text{ m/s}$

  $v > 2.0 \text{ m/s}$





0 500 1000 1500 2000 m



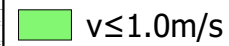
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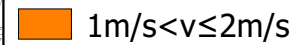
UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI

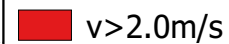
PERIMETRI CENTRI ABITATI

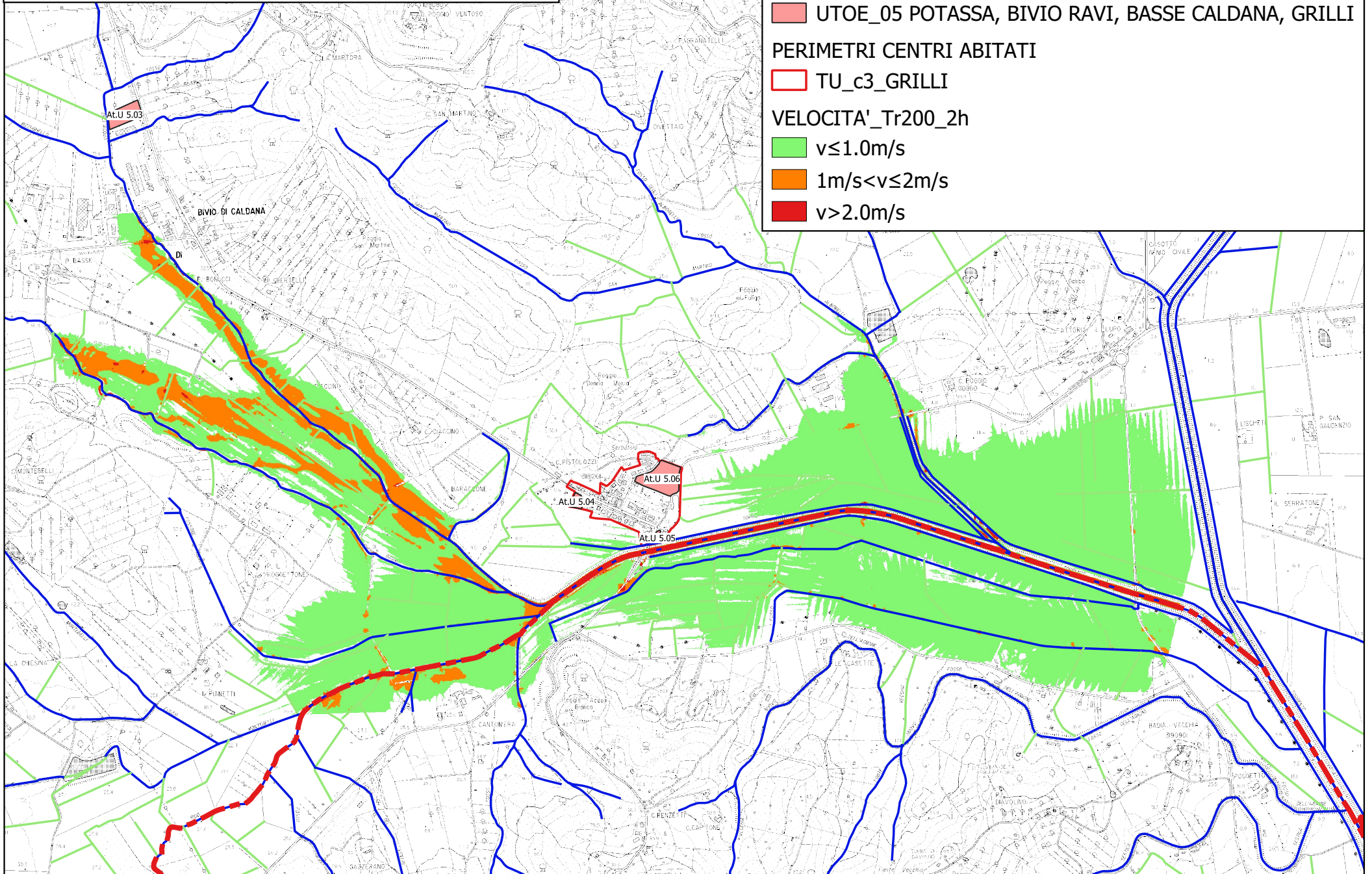
TU\_c3\_GRILLI

VELOCITA' Tr200\_2h

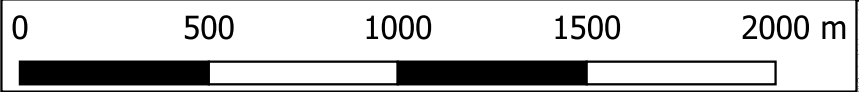
  $v \leq 1.0 \text{ m/s}$

  $1 \text{ m/s} < v \leq 2 \text{ m/s}$

  $v > 2.0 \text{ m/s}$







**AMBITI DI TRASFORMAZIONE**  
UTOE\_05 POTASSA, BIVIO RAVI, BASSE CALDANA, GRILLI

**PERIMETRI CENTRI ABITATI**  
TU\_c3\_GRILLI

**VELOCITA' Tr200\_5h**  
v ≤ 1.0m/s  
1m/s < v ≤ 2m/s  
v > 2.0m/s

