

# Plans d'évacuation tsunami

## Projet EXPLOIT

« EXPLOitation et Transfert vers les collectivités des Antilles françaises d'une méthode de planification des évacuations en cas d'alerte tsunami »

Projet co-financé par la Fondation de France et piloté par l'UMR GREED (Université Paul-Valéry Montpellier 3 & IRD)

### Collectivité de Saint-Martin






*Edition février 2018*

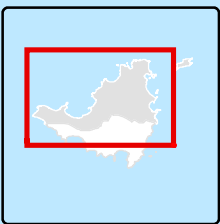
Université Paul-Valéry Montpellier III  
UMR GRED – Site Saint-Charles 2  
Route de Mende  
34 199 Montpellier cedex 5

*Site internet du projet*

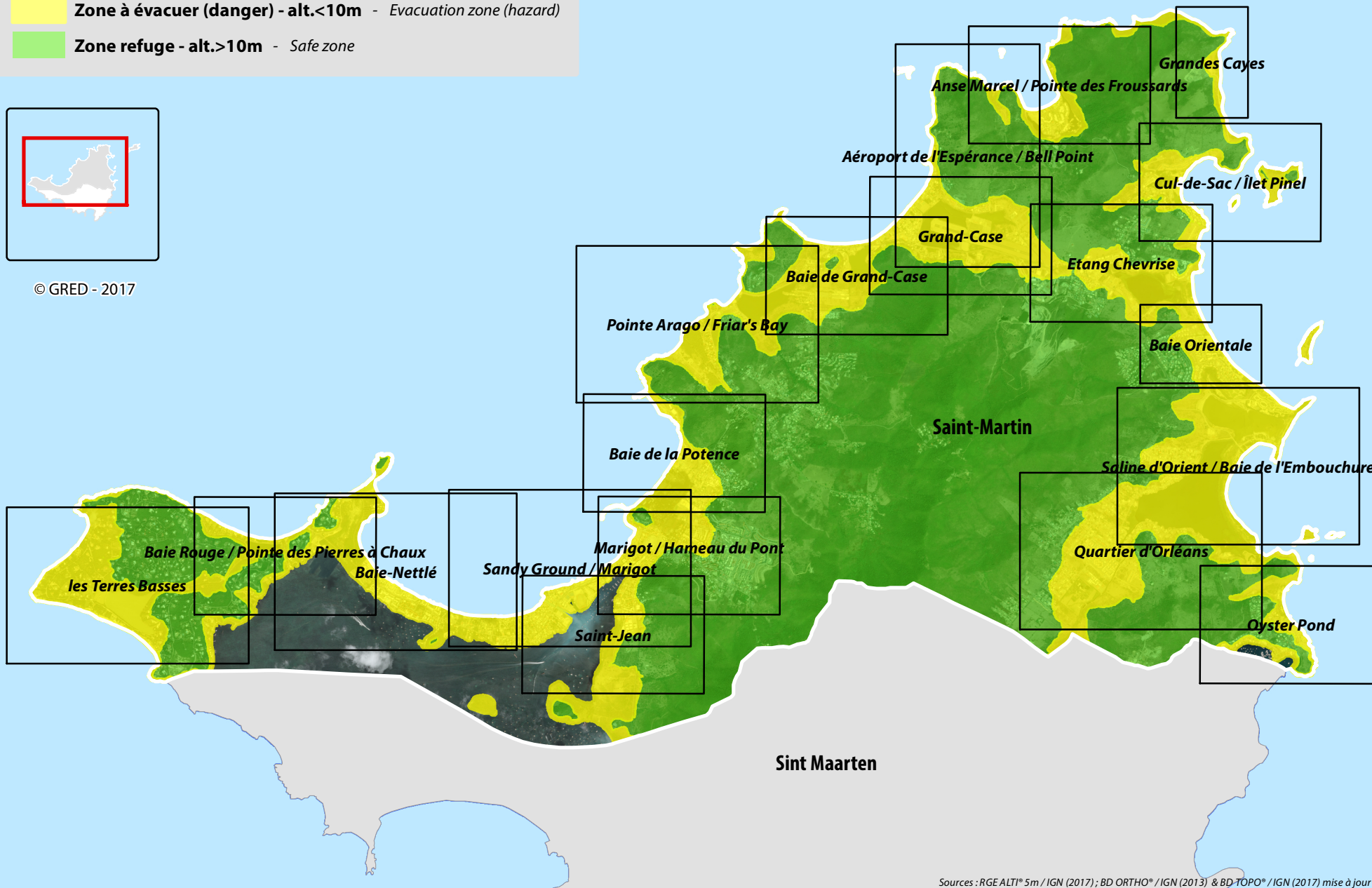
*<https://exploit.univ-montp3.fr/>*

Frédéric Léone - [frederic.leone@univ-montp3.fr](mailto:frederic.leone@univ-montp3.fr)  
Matthieu Péroche - [mathieu.peroche@univ-montp3.fr](mailto:mathieu.peroche@univ-montp3.fr)

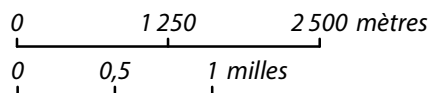
-  **Limite communale** - *Municipal boundary*
-  **Zone à évacuer (danger) - alt.<10m** - *Evacuation zone (hazard)*
-  **Zone refuge - alt.>10m** - *Safe zone*



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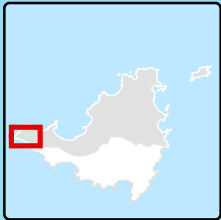
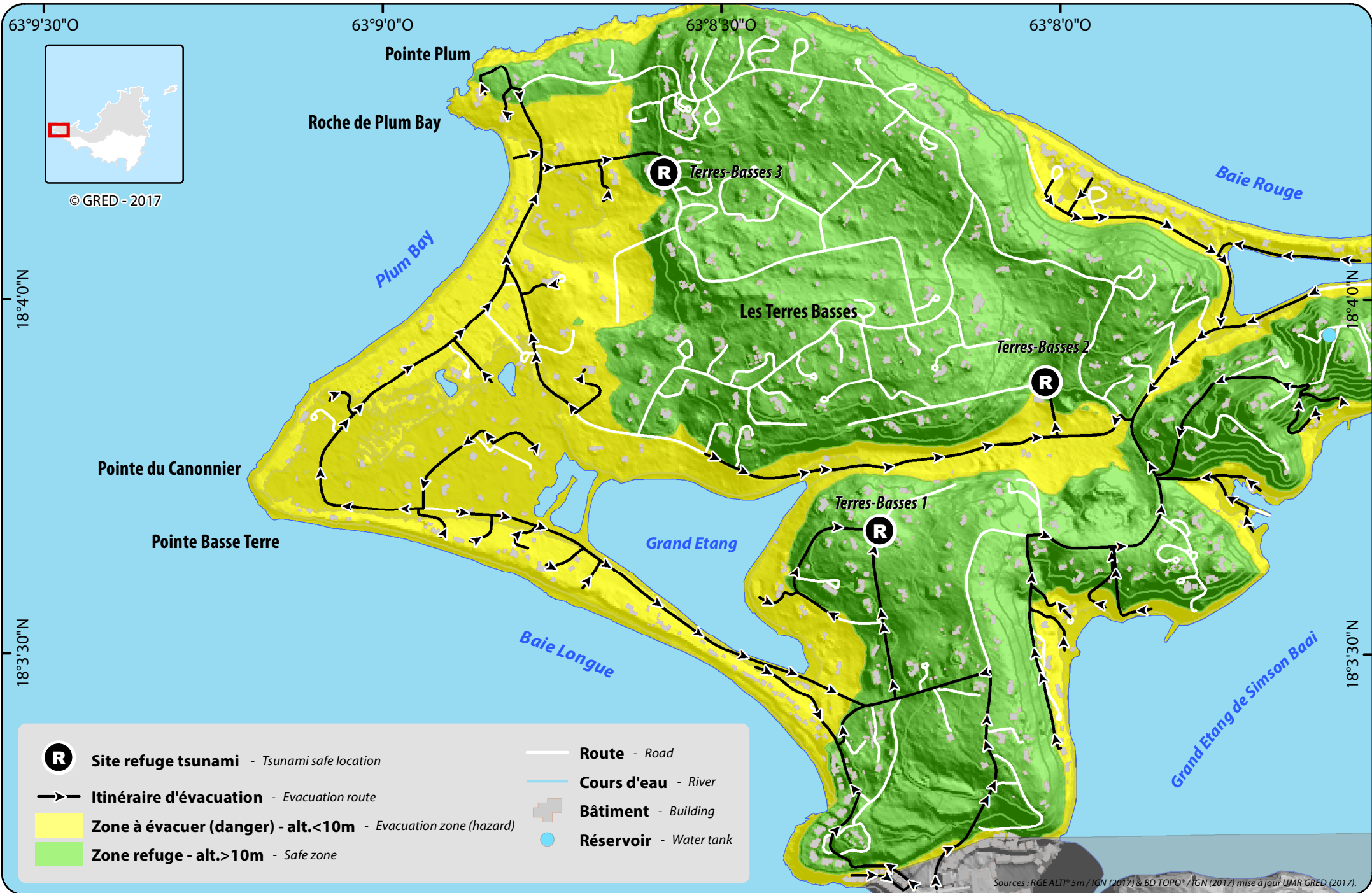


Sources : RGE ALTI® 5m / IGN (2017) ; BD ORTHO® / IGN (2013) & BD TOPO® / IGN (2017) mise à jour UMR GRED (2017).



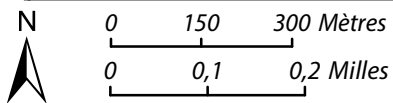
**INDEX DES PLANS D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN INDEX**  
**Collectivité de Saint-Martin**





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- R** Site refuge tsunami - *Tsunami safe location*
- Itinéraire d'évacuation - *Evacuation route*
- Zone à évacuer (danger) - alt.<10m** - *Evacuation zone (hazard)*
- Zone refuge - alt.>10m** - *Safe zone*
- Route** - *Road*
- Cours d'eau** - *River*
- Bâtiment** - *Building*
- Réservoir** - *Water tank*

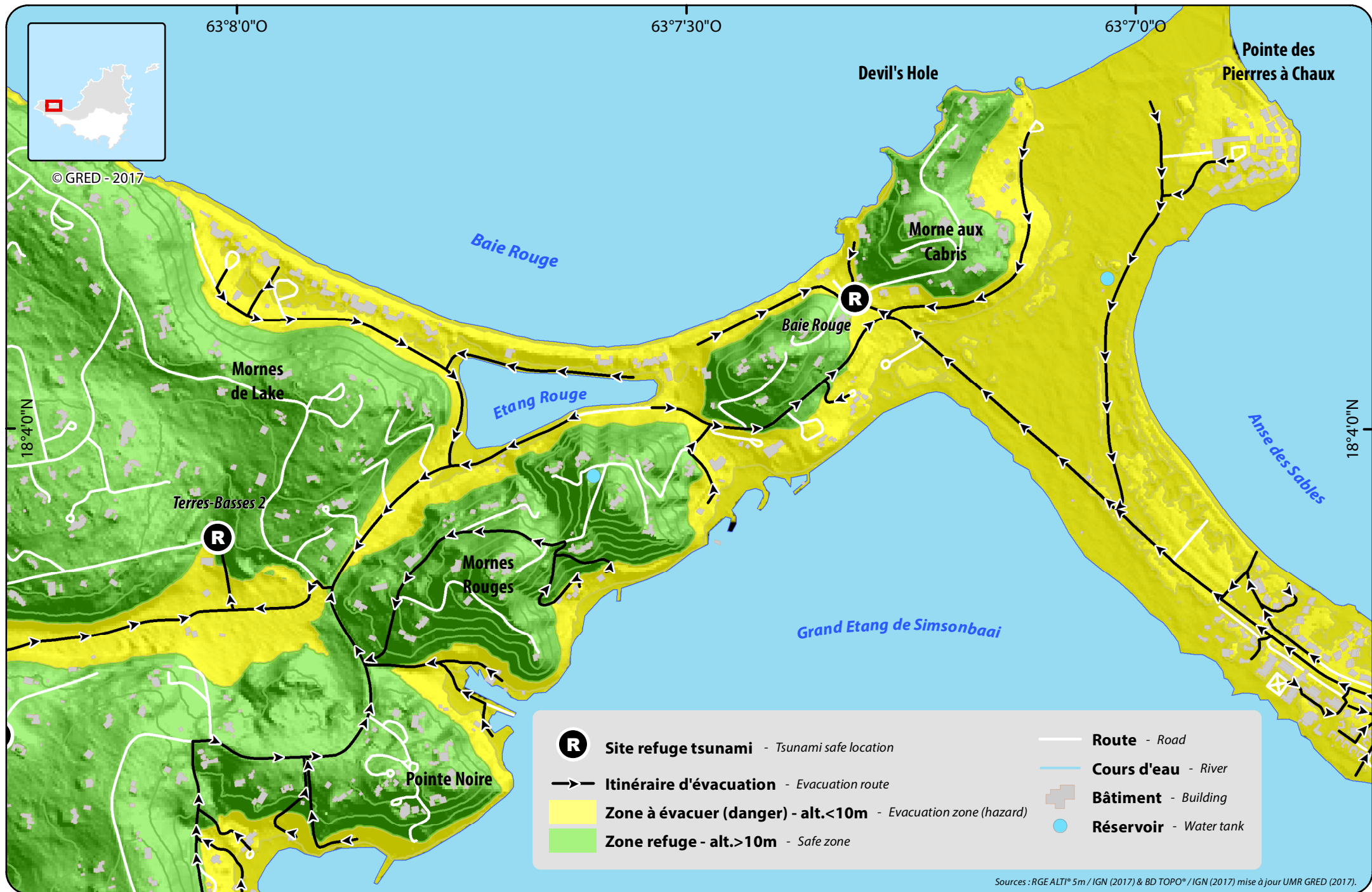


**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**les Terres Basses**

Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GRED (2017).



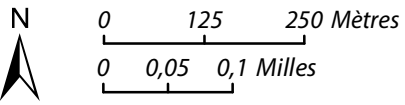
Gouvernance, Risque, Environnement, Développement



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<b>R</b>	<b>Site refuge tsunami</b> - Tsunami safe location		<b>Route</b> - Road
	<b>Itinéraire d'évacuation</b> - Evacuation route		<b>Cours d'eau</b> - River
	<b>Zone à évacuer (danger) - alt.&lt;10m</b> - Evacuation zone (hazard)		<b>Bâtiment</b> - Building
	<b>Zone refuge - alt.&gt;10m</b> - Safe zone		<b>Réservoir</b> - Water tank

Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GRED (2017).



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Baie Rouge / Pointe des Pierres à Chaux**





- R** Site refuge tsunami - *Tsunami safe location*
- Itinéraire d'évacuation - *Evacuation route*
- Yellow** Zone à évacuer (danger) - alt.<10m - *Evacuation zone (hazard)*
- Green** Zone refuge - alt.>10m - *Safe zone*
- Route - *Road*
- Cours d'eau - *River*
- +** Bâtiment - *Building*
- E** Ecole - *School*
- ✝** Eglise / Chapelle - *Church / Chapel*
- Réservoir - *Water tank*
- ⊞** Equipement sportif - *Sports facilities*



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18°3'30"N

63°7'30"O

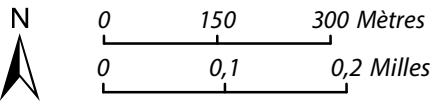
63°7'0"O

63°6'30"O

63°6'0"O

18°4'0"N

18°3'30"N



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Baie-Nettlé**

Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GRED (2017).



63°6'0"O

63°5'30"O

63°5'0"O



**Site refuge tsunami** - *Tsunami safe location*



**Ecole** - *School*



**Collège** - *Middle school*



**Lycée** - *High school*



**Eglise / Chapelle** - *Church / Chapel*



**Gouvernement** - *Government*



**Pharmacie** - *Pharmacy*



**Force de l'ordre** - *Police force*



**Equipement sportif** - *Sports facilities*

**Itinéraire d'évacuation** - *Evacuation route*

**Zone à évacuer (danger) - alt.<10m** - *Evacuation zone (hazard)*

**Zone refuge - alt.>10m** - *Safe zone*

**Route** - *Road*

**Escalier** - *Stair*

**Cours d'eau** - *River*

**Bâtiment** - *Building*

18°4'0"N

18°4'0"N

Baie Nettlé

Baie de Marigot

Sandy Ground

Marigot

Fort Louis

Galisbay

Marigot 1

Concordia 2

Saint-James

Mont du Marigot

18°3'30"N

18°3'30"N

Grand Etang de Simsonbaai

Saint-Jean

Bellevue



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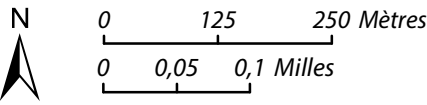
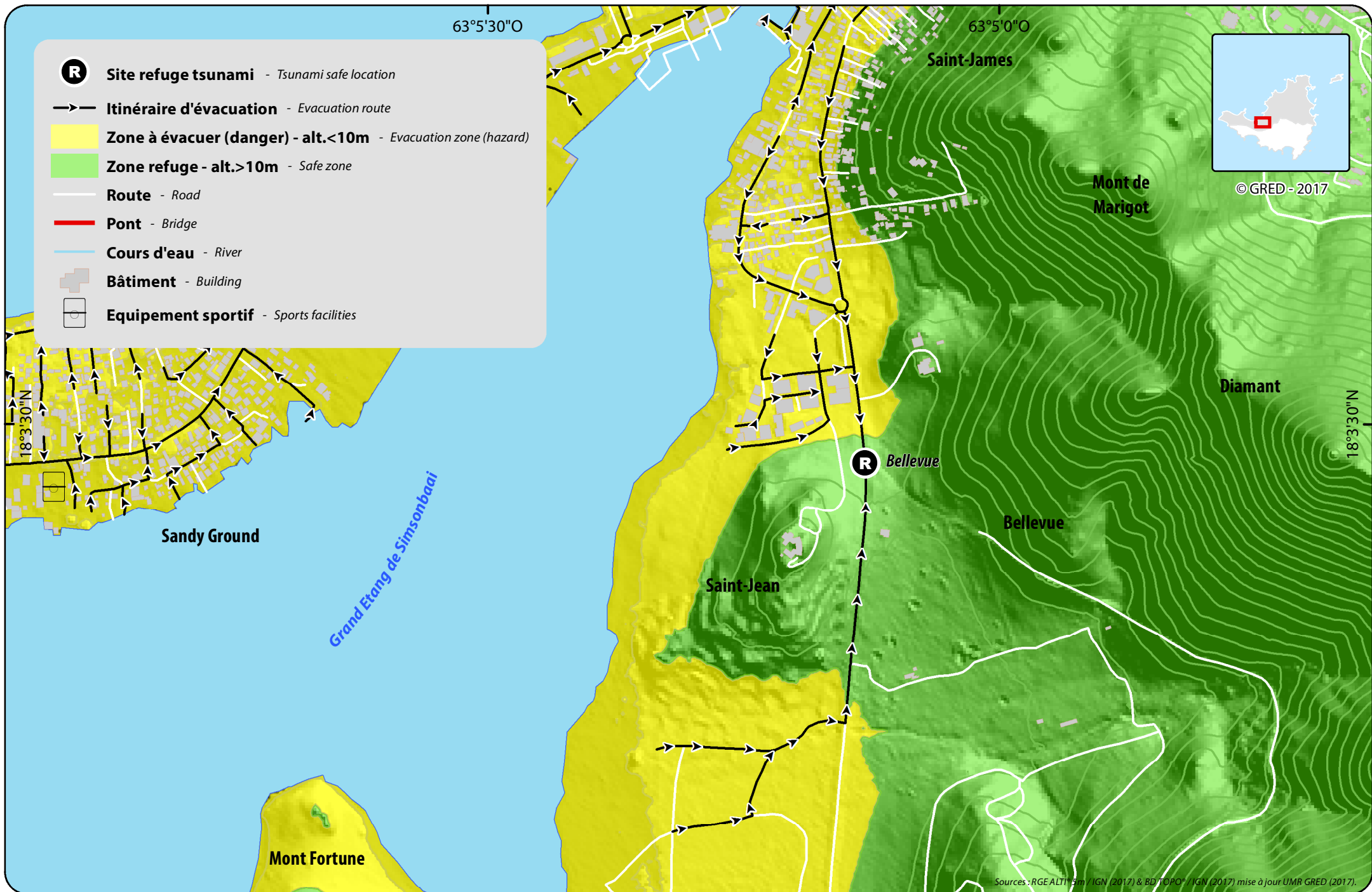
Sources : RGE ALTI® 5m / IGN (2017) & BD TOPOL / IGN (2017) mise à jour UMR GRED (2017)



0 150 300 Mètres  
0 0,1 0,2 Milles

# PLAN D'EVACUATION TSUNAMI TSUNAMI EVACUATION PLAN Sandy Ground / Marigot



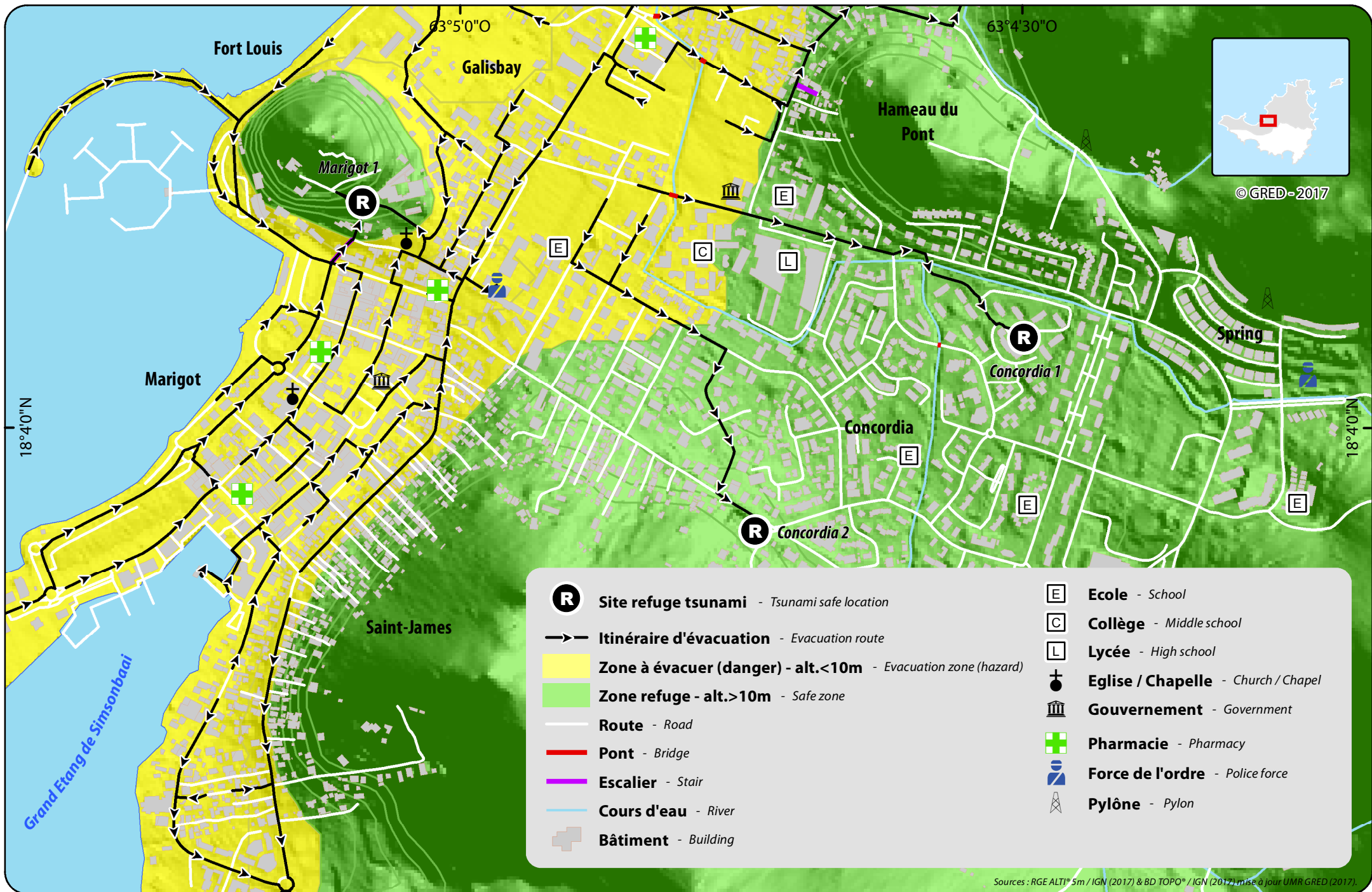


**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Saint-Jean**

Sources : RGE ALTI 5m / IGN (2017) & BD TOPO / IGN (2017) mise à jour UMR GRED (2017).

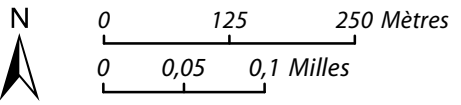






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<b>R</b>	<b>Site refuge tsunami</b> - Tsunami safe location	<b>E</b>	<b>Ecole</b> - School
<b>→</b>	<b>Itinéraire d'évacuation</b> - Evacuation route	<b>C</b>	<b>Collège</b> - Middle school
<b>Yellow</b>	<b>Zone à évacuer (danger) - alt.&lt;10m</b> - Evacuation zone (hazard)	<b>L</b>	<b>Lycée</b> - High school
<b>Green</b>	<b>Zone refuge - alt.&gt;10m</b> - Safe zone	<b>Church</b>	<b>Eglise / Chapelle</b> - Church / Chapel
<b>White</b>	<b>Route</b> - Road	<b>Government</b>	<b>Gouvernement</b> - Government
<b>Red</b>	<b>Pont</b> - Bridge	<b>Pharmacy</b>	<b>Pharmacie</b> - Pharmacy
<b>Purple</b>	<b>Escalier</b> - Stair	<b>Police</b>	<b>Force de l'ordre</b> - Police force
<b>Blue</b>	<b>Cours d'eau</b> - River	<b>Pylon</b>	<b>Pylône</b> - Pylon
<b>Grey</b>	<b>Bâtiment</b> - Building		



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Marigot / Hameau du Pont**

Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017), mise à jour UMR GRED (2017).



63°5'30"O

63°5'0"O

63°4'30"O

18°5'0"N

18°4'30"N

**(R)** Site refuge tsunami - *Tsunami safe location*

**→** Itinéraire d'évacuation - *Evacuation route*

**Zone à évacuer (danger) - alt.<10m** - *Evacuation zone (hazard)*

**Zone refuge - alt.>10m** - *Safe zone*

**Route** - *Road*

**Pont** - *Bridge*

**Escalier** - *Stair*

**Cours d'eau** - *River*

**Bâtiment** - *Building*

**Eglise / Chapelle** - *Church / Chapel*

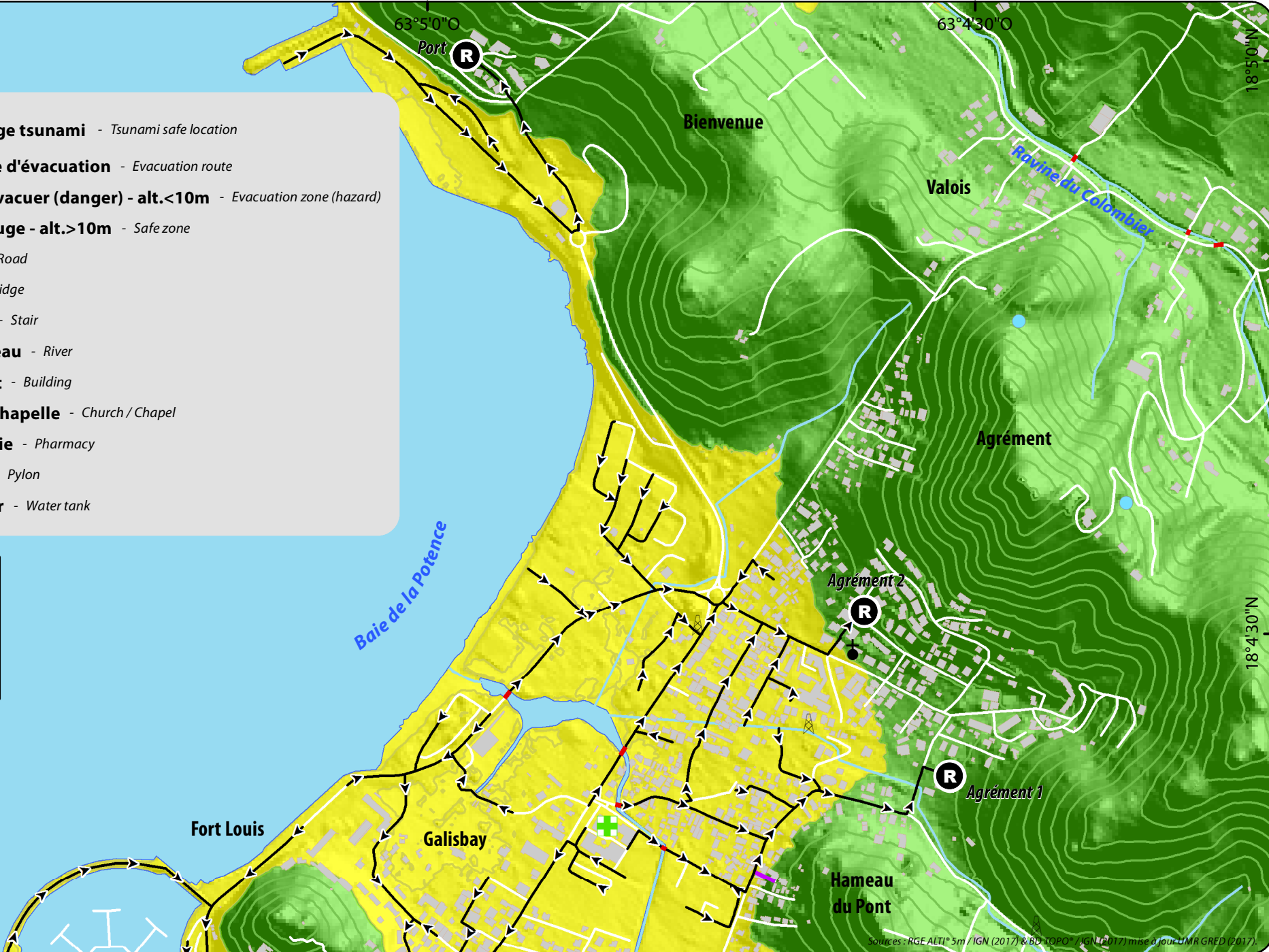
**Pharmacie** - *Pharmacy*

**Pylône** - *Pylon*

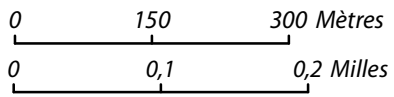
**Réservoir** - *Water tank*



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Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GRED (2017).



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Baie de la Potence**



63°5'30"O

63°5'0"O

63°4'30"O

63°4'0"O



Site refuge tsunami - Tsunami safe location



Itinéraire d'évacuation - Evacuation route



Zone à évacuer (danger) - alt.<10m - Evacuation zone (hazard)



Zone refuge - alt.>10m - Safe zone



Route - Road



Pont - Bridge



Cours d'eau - River



Bâtiment - Building



© GRED - 2017

18°5'30"N

18°5'30"N

18°5'0"N

18°5'0"N

Pointe Arago

Anse des Pères

Friar's Bay 2



Port

Ravine du Colombier

la Batterie

Friar's Bay 1

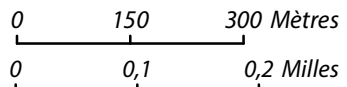


Etang Guichard

Saint-Louis

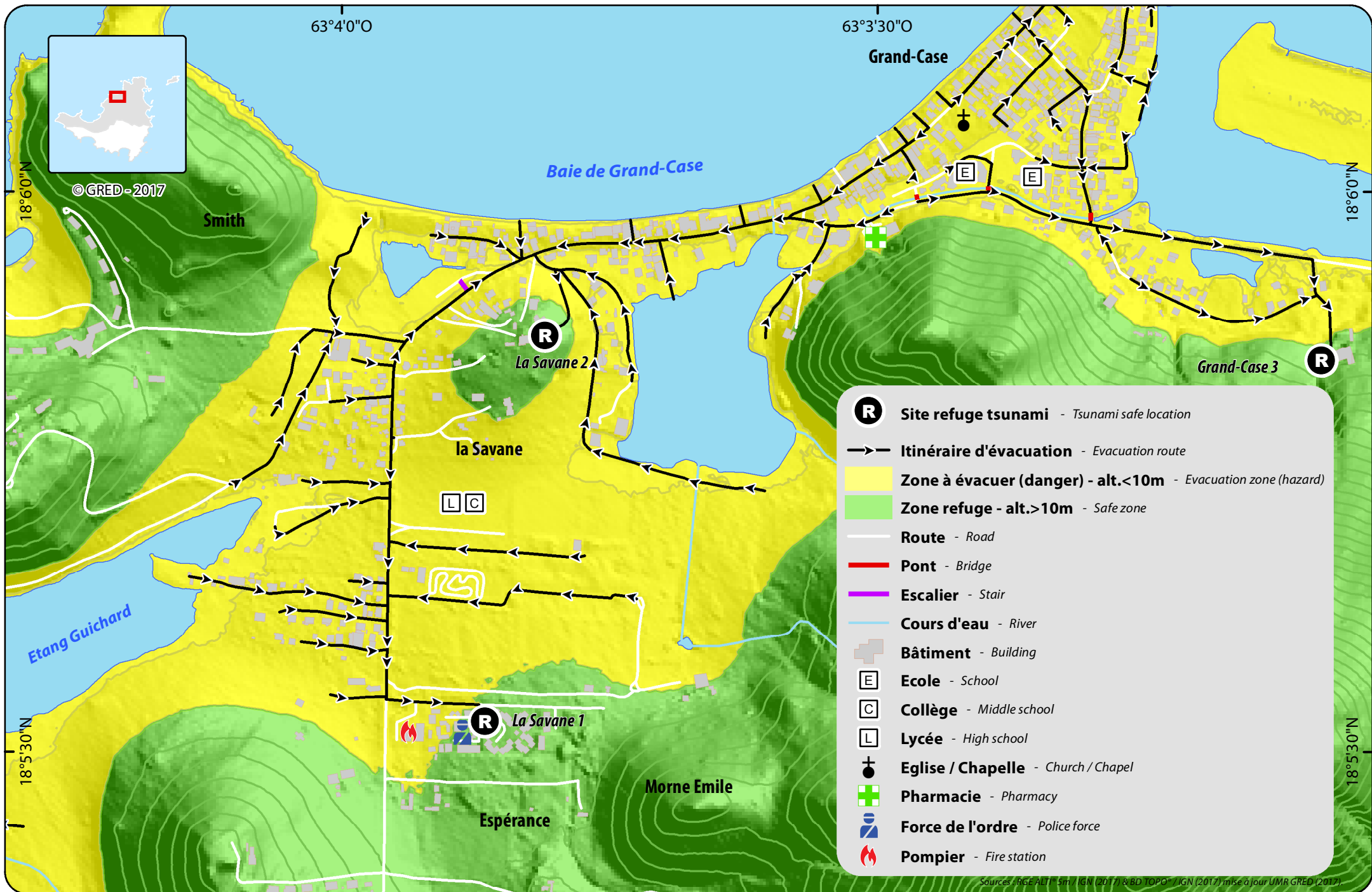
Ravine Saint-Louis

Sources : RGE ALTI 5m / IGN (2017) & BD TOPO / IGN (2017) mise à jour UMR GRED (2017).



PLAN D'EVACUATION TSUNAMI  
TSUNAMI EVACUATION PLAN  
Pointe Arago / Friar's Bay





**(R)** Site refuge tsunami - Tsunami safe location

**→** Itinéraire d'évacuation - Evacuation route

**Yellow** Zone à évacuer (danger) - alt.<10m - Evacuation zone (hazard)

**Green** Zone refuge - alt.>10m - Safe zone

**White line** Route - Road

**Red line** Pont - Bridge

**Purple line** Escalier - Stair

**Blue line** Cours d'eau - River

**Grey square** Bâtiment - Building

**(E)** Ecole - School

**(C)** Collège - Middle school

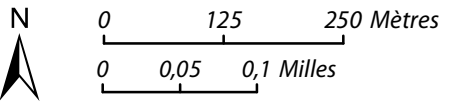
**(L)** Lycée - High school

**Black cross** Eglise / Chapelle - Church / Chapel

**Green cross** Pharmacie - Pharmacy

**Blue figure** Force de l'ordre - Police force

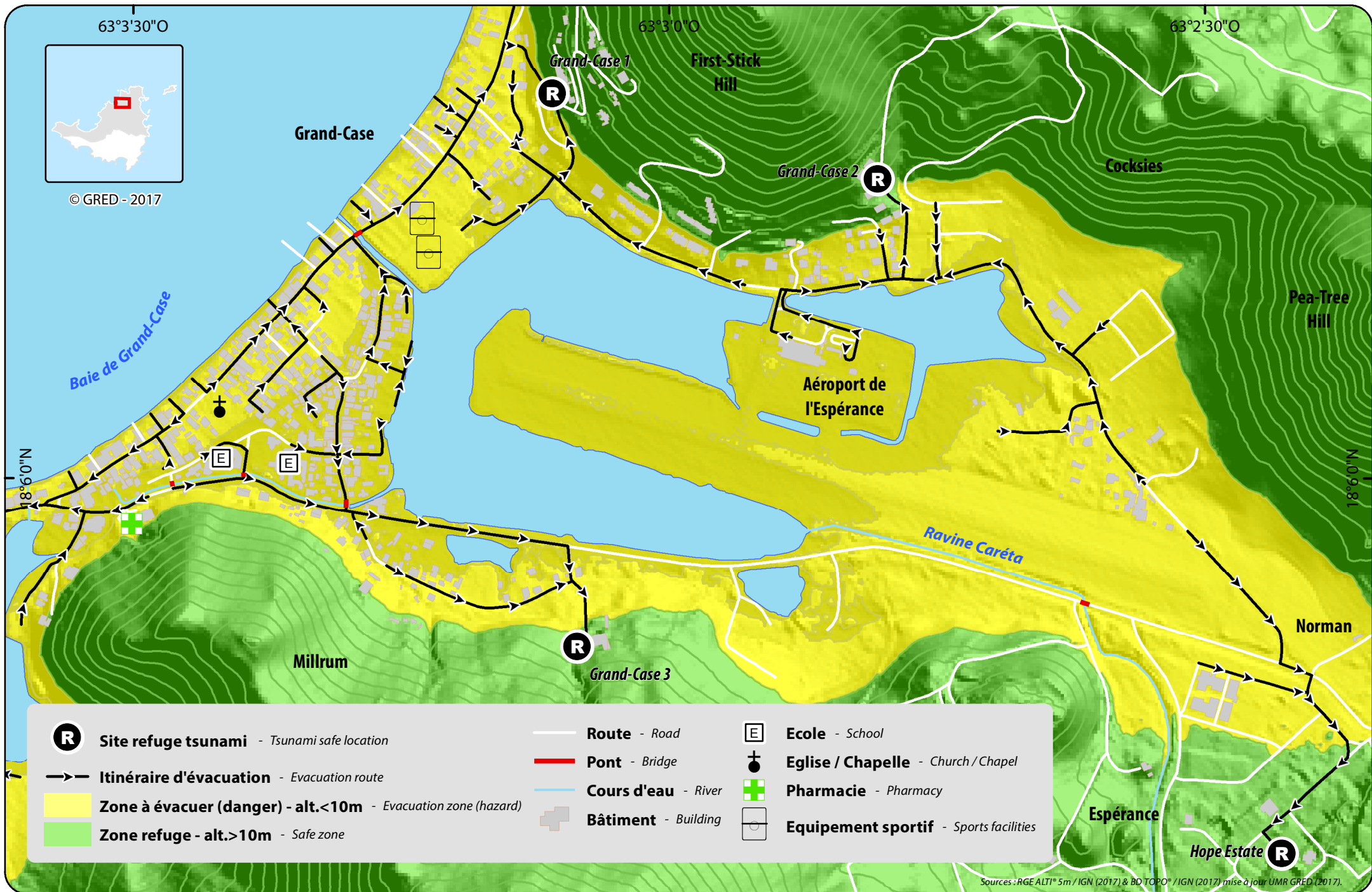
**Red flame** Pompier - Fire station



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Baie de Grand-Case**

Sources : RGE ALTI 5m / IGN (2017) & BD TOPO / IGN (2017) mise à jour UMR GRED (2017)

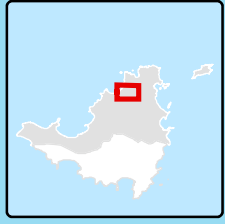




63°3'30"O

63°3'0"O

63°2'30"O



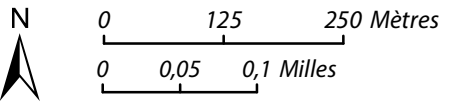
© GRED - 2017

18°6'0"N

18°6'0"N

<b>R</b> Site refuge tsunami - Tsunami safe location	— Route - Road	<b>E</b> Ecole - School
➔ Itinéraire d'évacuation - Evacuation route	— Pont - Bridge	✙ Eglise / Chapelle - Church / Chapel
Zone à évacuer (danger) - alt. < 10m - Evacuation zone (hazard)	— Cours d'eau - River	✚ Pharmacie - Pharmacy
Zone refuge - alt. > 10m - Safe zone	✚ Bâtiment - Building	⊞ Equipement sportif - Sports facilities

Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GRED (2017).



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Grand-Case**



63°3'0"O

63°2'30"O

**R** Site refuge tsunami - *Tsunami safe location*

➔ Itinéraire d'évacuation - *Evacuation route*

**Zone à évacuer (danger) - alt.<10m** - *Evacuation zone (hazard)*

**Zone refuge - alt.>10m** - *Safe zone*

— Route - *Road*

— Pont - *Bridge*

— Cours d'eau - *River*

⊕ Bâtiment - *Building*

**E** Ecole - *School*

⊕ Eglise / Chapelle - *Church / Chapel*

⊞ Equipement sportif - *Sports facilities*

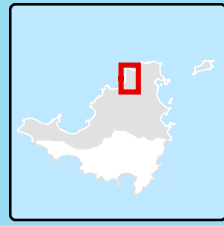
18°7'0"N

18°7'0"N

18°6'30"N

18°6'30"N

18°6'0"N



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Anse Marcel

First-Stick Hill

Grand-Case

Grand-Case 1

Grand-Case 2

Cocksies

Aéroport de l'Espérance

Ravine Caréta

Grand-Case 3

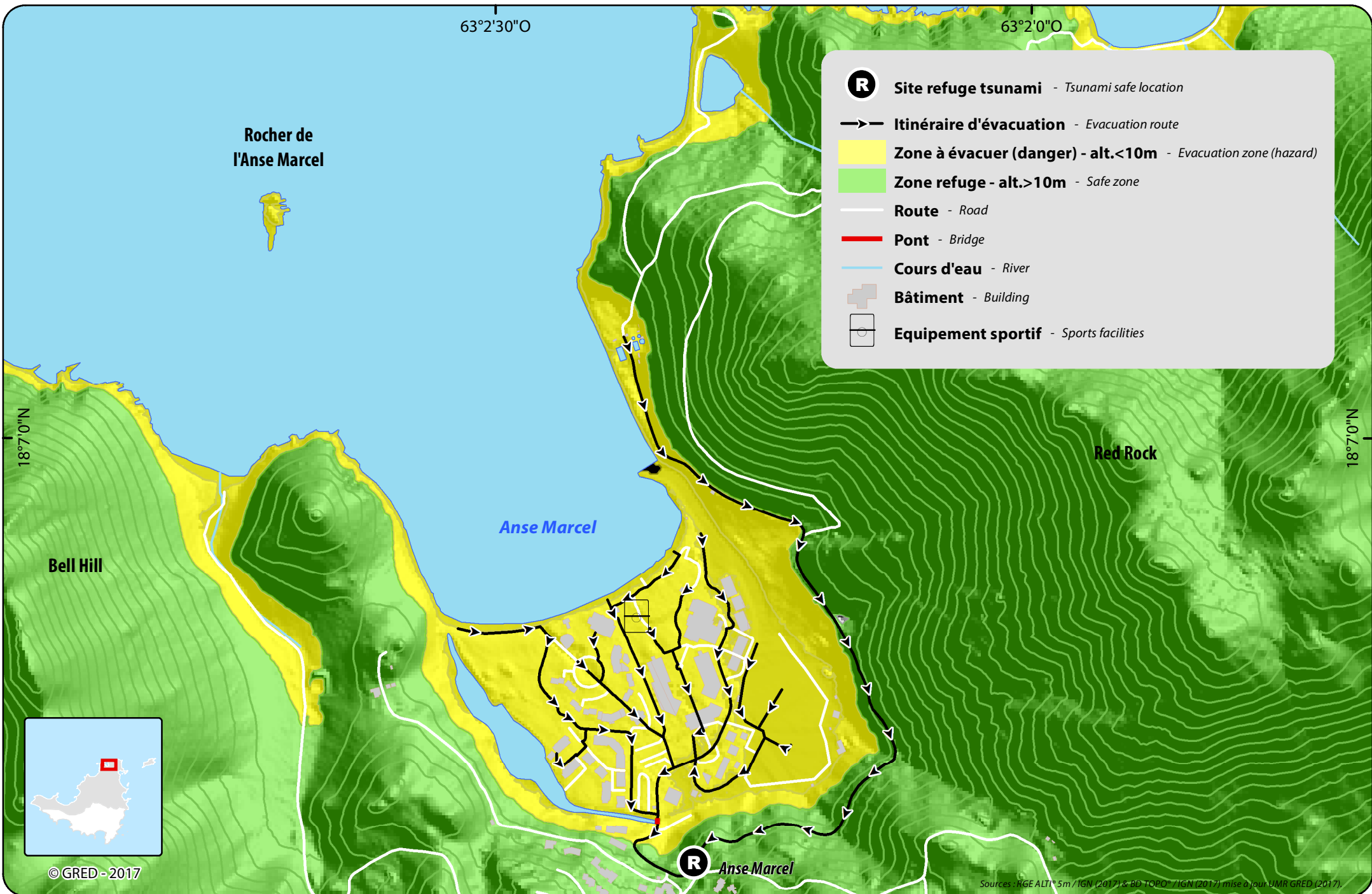
Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GRED (2017).



0 125 250 mètres  
0 0,05 0,1 milles

### PLAN D'EVACUATION TSUNAMI TSUNAMI EVACUATION PLAN Aéroport de l'Espérance / Bell Point





- R** Site refuge tsunami - *Tsunami safe location*
- Itinéraire d'évacuation - *Evacuation route*
- Yellow** Zone à évacuer (danger) - alt.<10m - *Evacuation zone (hazard)*
- Green** Zone refuge - alt.>10m - *Safe zone*
- White line** Route - *Road*
- Red line** Pont - *Bridge*
- Blue line** Cours d'eau - *River*
- Grey square** Bâtiment - *Building*
- Black square with circle** Equipement sportif - *Sports facilities*

Rocher de l'Anse Marcel



18°7'0"N

63°2'30"O

63°2'0"O

18°7'0"N

Bell Hill

Anse Marcel

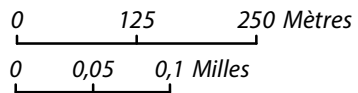
Red Rock



© GRED - 2017

**R** Anse Marcel

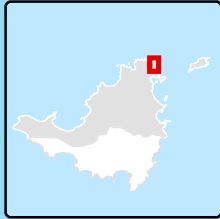
Sources : RGE ALTI 5m / IGN (2017) & BD TOPO / IGN (2017) mise à jour UMR GRED (2017).



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Anse Marcel / Pointe des Froussards**



63°1'30"O



© GREED - 2017

**R** Site refuge tsunami - *Tsunami safe location*

→ Itinéraire d'évacuation - *Evacuation route*

Zone à évacuer (danger) - alt.<10m - *Evacuation zone (hazard)*

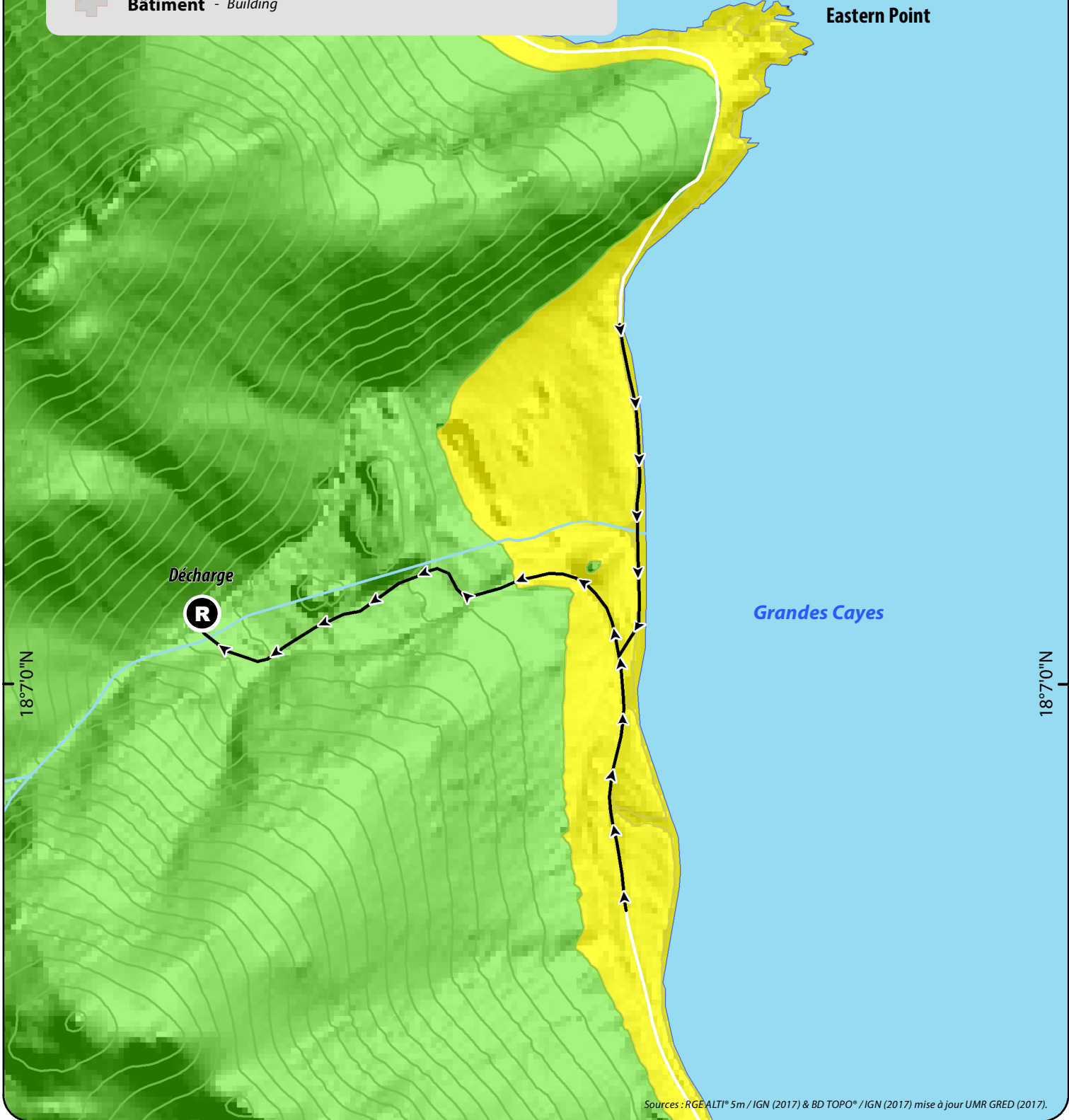
Zone refuge - alt.>10m - *Safe zone*

Route - *Road*

Cours d'eau - *River*

Bâtiment - *Building*

Eastern Point

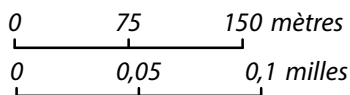


Grandes Cayes

18°70"N

18°70"N

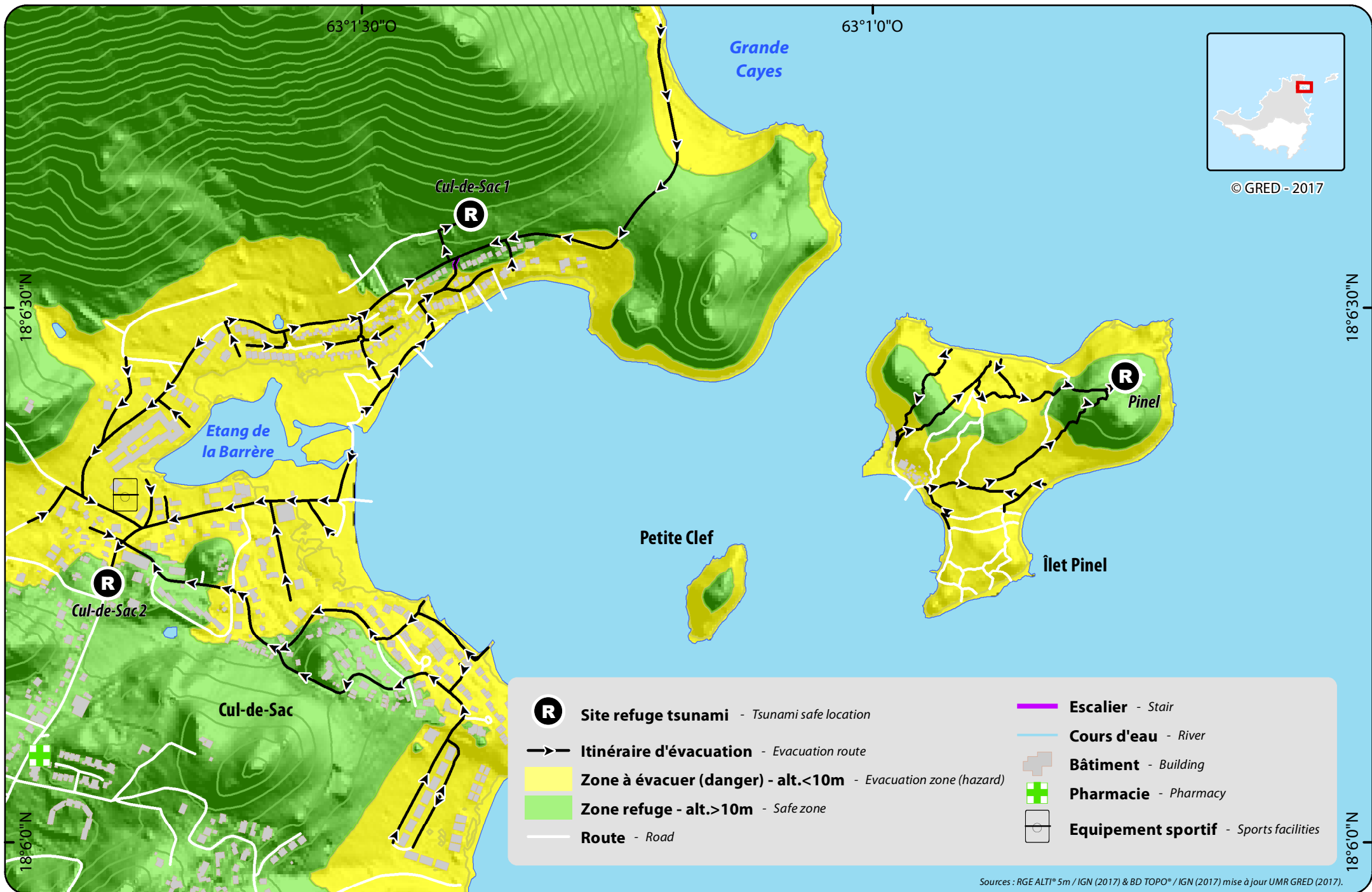
Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GREED (2017).



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Grandes Cayes**



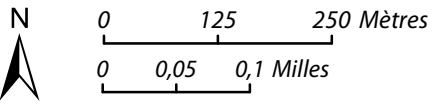




© GRED - 2017

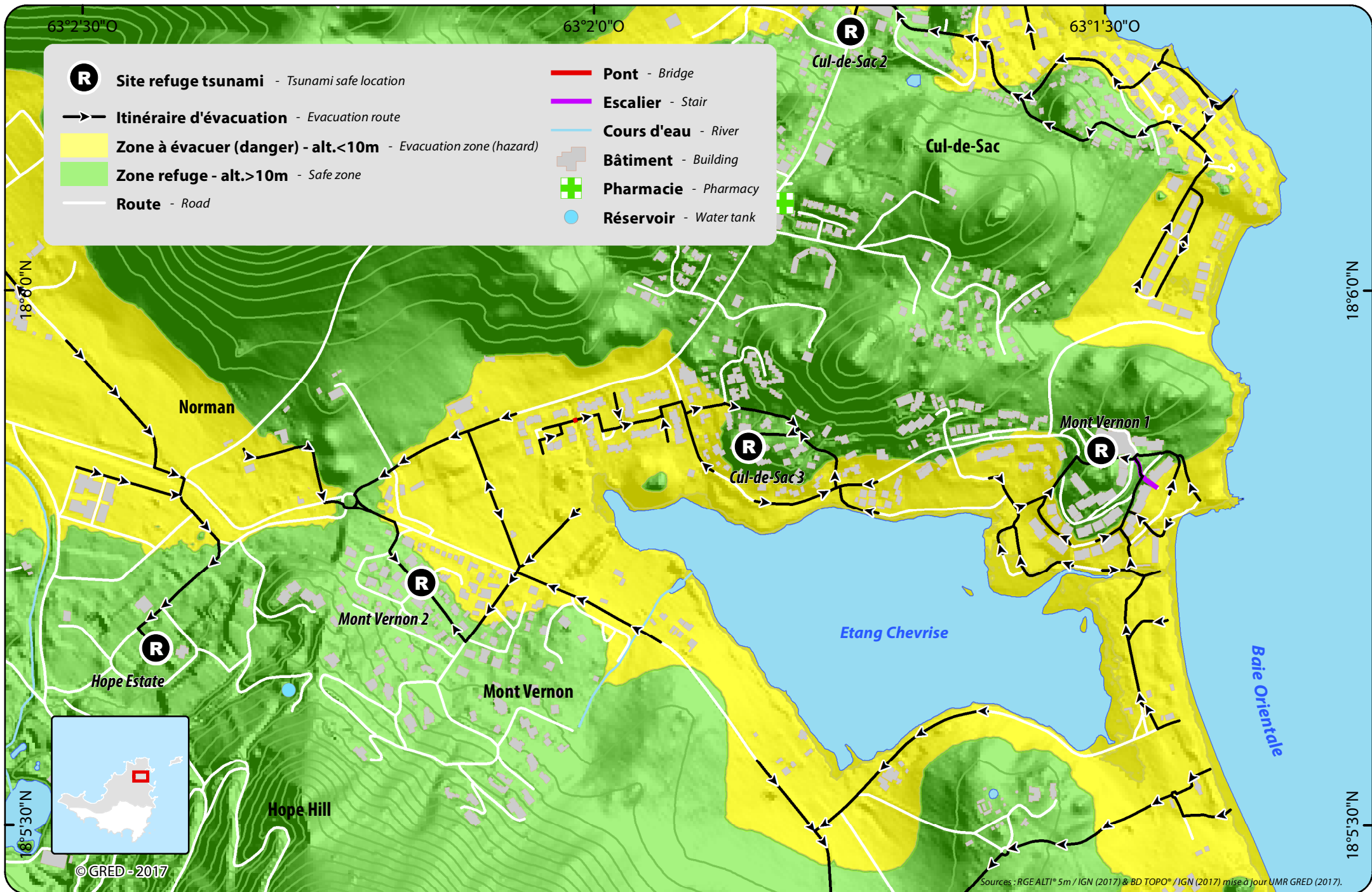
- (R)** Site refuge tsunami - *Tsunami safe location*
- Itinéraire d'évacuation - *Evacuation route*
- Yellow Area** Zone à évacuer (danger) - alt.<10m - *Evacuation zone (hazard)*
- Green Area** Zone refuge - alt.>10m - *Safe zone*
- White Line** Route - *Road*
- Purple Line** Escalier - *Stair*
- Blue Line** Cours d'eau - *River*
- Grey Square** Bâtiment - *Building*
- Green Cross** Pharmacie - *Pharmacy*
- Circle with 'R'** Equipement sportif - *Sports facilities*

Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GRED (2017).

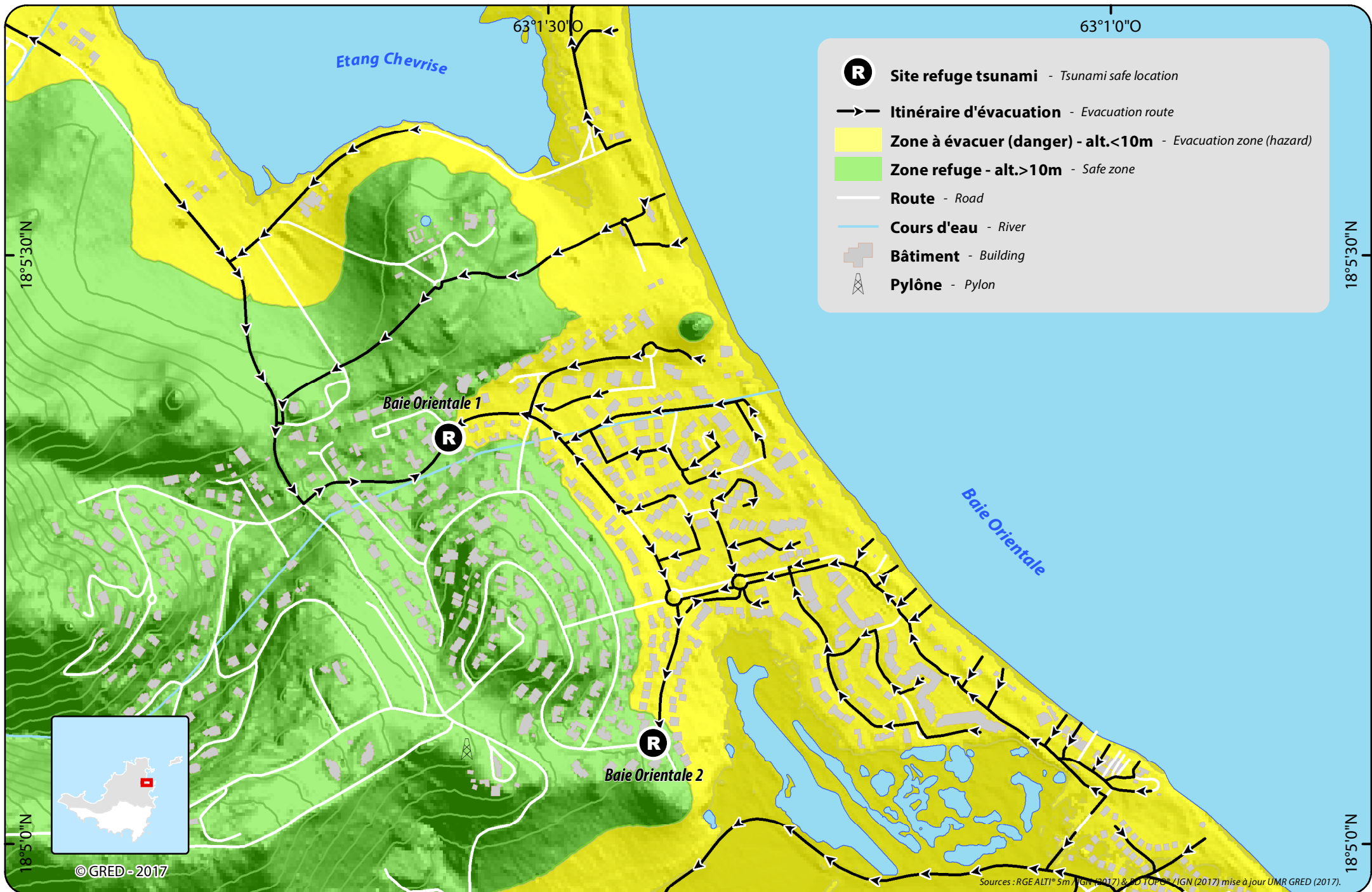


**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Cul-de-Sac / Îlet Pinel**





**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Etang Chevrise**



- R** Site refuge tsunami - *Tsunami safe location*
- Itinéraire d'évacuation - *Evacuation route*
- Yellow** Zone à évacuer (danger) - alt.<10m - *Evacuation zone (hazard)*
- Green** Zone refuge - alt.>10m - *Safe zone*
- White line** Route - *Road*
- Blue line** Cours d'eau - *River*
- Purple square** Bâtiment - *Building*
- Grey tower** Pylône - *Pylon*

**N**

0 125 250 Mètres

0 0,05 0,1 Miles

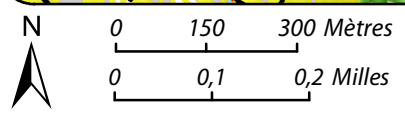
**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Baie Orientale**



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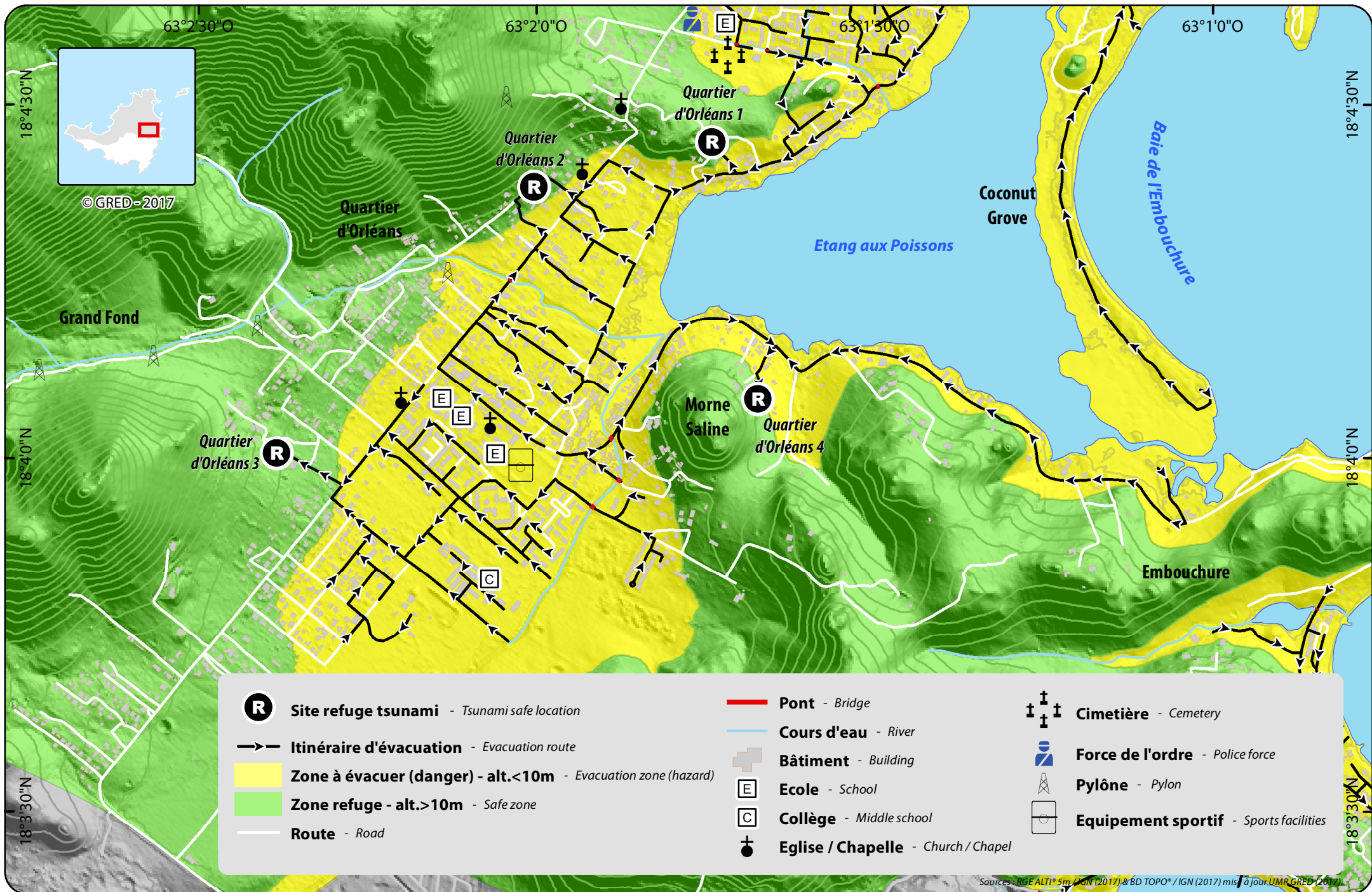
- R** Site refuge tsunami - Tsunami safe location
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- White line** Route - Road
- Red line** Pont - Bridge
- Blue line** Cours d'eau - River
- Grey square** Bâtiment - Building
- E** Ecole - School
- Black cross** Eglise / Chapelle - Church / Chapel
- Black crosses** Cimetière - Cemetery
- Blue figure** Force de l'ordre - Police force
- Grey tower** Pylône - Pylon
- White square** Equipement sportif - Sports facilities

Sources : RGE ALTI® 5m / IGN (2017) & BD TOPO® / IGN (2017) mise à jour UMR GREED (2017).

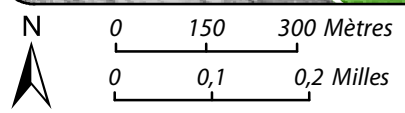


**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Saline d'Orient / Baie de l'Embouchure**

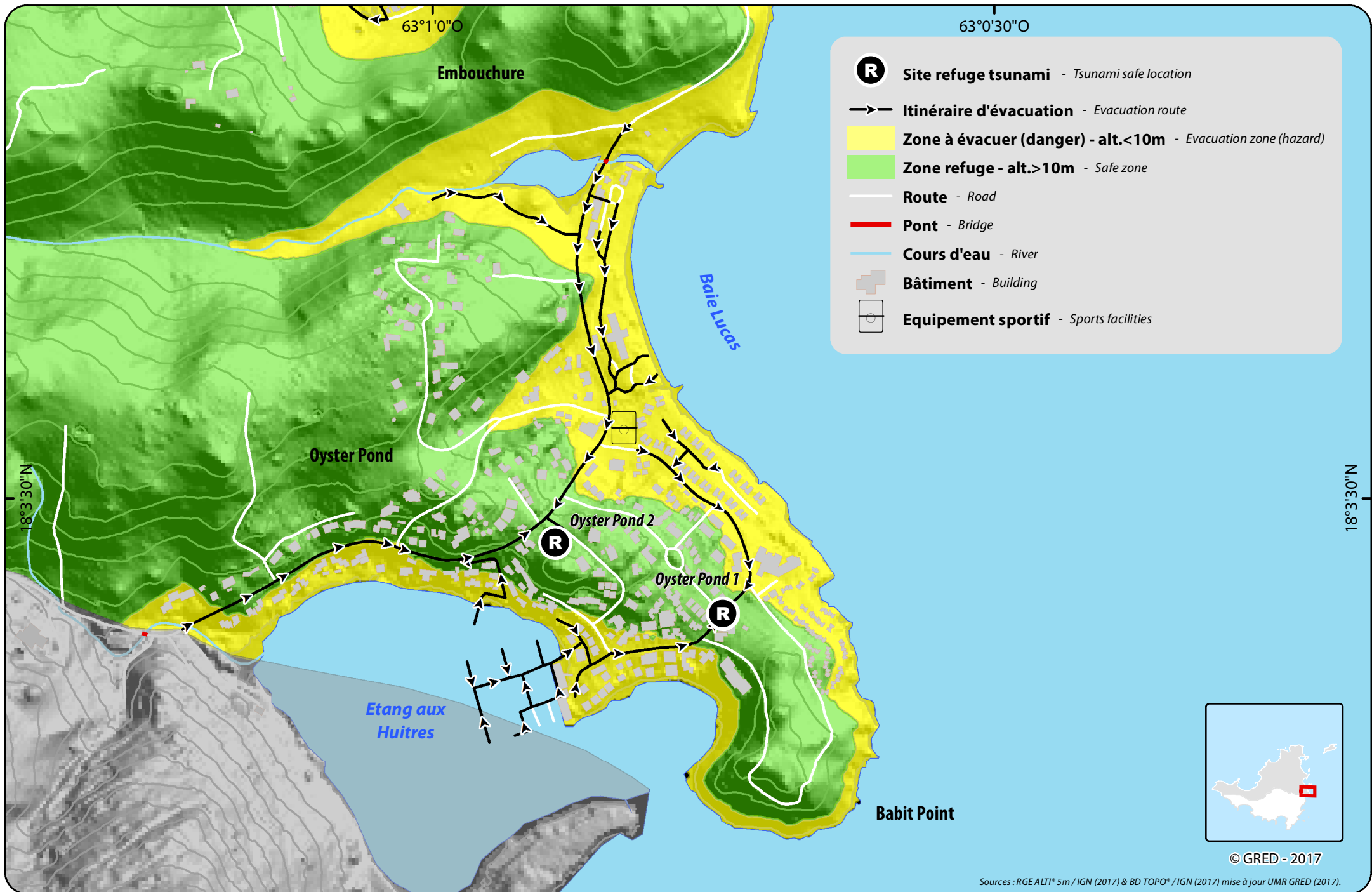




- (R)** Site refuge tsunami - Tsunami safe location
- Itinéraire d'évacuation - Evacuation route
- Yellow** Zone à évacuer (danger) - alt.<10m - Evacuation zone (hazard)
- Green** Zone refuge - alt.>10m - Safe zone
- White line** Route - Road
- Red line** Pont - Bridge
- Blue line** Cours d'eau - River
- Grey square** Bâtiment - Building
- E in square** Ecole - School
- C in square** Collège - Middle school
- Black cross** Eglise / Chapelle - Church / Chapel
- Black cross with dots** Cimetière - Cemetery
- Blue shield** Force de l'ordre - Police force
- Tower symbol** Pylône - Pylon
- Square with circle** Equipement sportif - Sports facilities



**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Quartier d'Orléans**



- R** Site refuge tsunami - Tsunami safe location
- Itinéraire d'évacuation - Evacuation route
- Yellow** Zone à évacuer (danger) - alt.<10m - Evacuation zone (hazard)
- Green** Zone refuge - alt.>10m - Safe zone
- White line** Route - Road
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- Blue line** Cours d'eau - River
- Grey square** Bâtiment - Building
- Circle with square** Equipement sportif - Sports facilities

N  
 0 125 250 Mètres  
 0 0,05 0,1 Miles

**PLAN D'EVACUATION TSUNAMI**  
**TSUNAMI EVACUATION PLAN**  
**Oyster Pond**

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