

IOS – Project Drift

Pour consulter le code et la documentation, visitez : <https://github.com/a3emond/Drift>

État du Projet – Note Importante

- L'application **Drift** n'est pas entièrement finalisée sur le plan fonctionnel et visuel.
- Cependant, **le cœur technique de l'application est en place et les exigences minimales du projet sont respectées et intégrées.**
- Le projet a été conçu comme une application **plus ambitieuse que les exigences demandées**, ce qui explique que certaines fonctionnalités avancées soient encore en cours de développement.

Respect des Exigences Minimales

1. Gestion des utilisateurs

- Authentification sécurisée implémentée via **Firebase Authentication**.
- Accès aux fonctionnalités principales **restreint aux utilisateurs authentifiés**.
- Gestion de l'état de connexion au démarrage de l'application.

2. Contenu multimédia

- Capture de médias directement depuis l'application (caméra).
- Téléversement des médias vers **Firebase Storage**.
- Stockage distant persistant des fichiers et de leurs métadonnées.
- Architecture claire et documentée pour la gestion des chemins de stockage.

3. Géolocalisation et carte

- Récupération de la position GPS de l'utilisateur.
- Enregistrement des coordonnées géographiques lors de la création de contenu.
- Affichage des contenus sous forme d'annotations sur une **MapView interactive (MapKit)**.
- Calculs de distance et gestion des régions géographiques intégrés.

Fonctionnalités Non Complétées (Travail en Cours)

- Système de **notifications push avancées** (architecture prête, logique partiellement implémentée).
- **Traduction automatique en temps réel du chat multilingue** (service prévu, intégration finale non terminée).
- Certaines sections **UI/UX** sont encore temporaires et prévues pour être améliorées ou remplacées.
- Finalisation complète du **cycle de vie éphémère** de certains contenus.

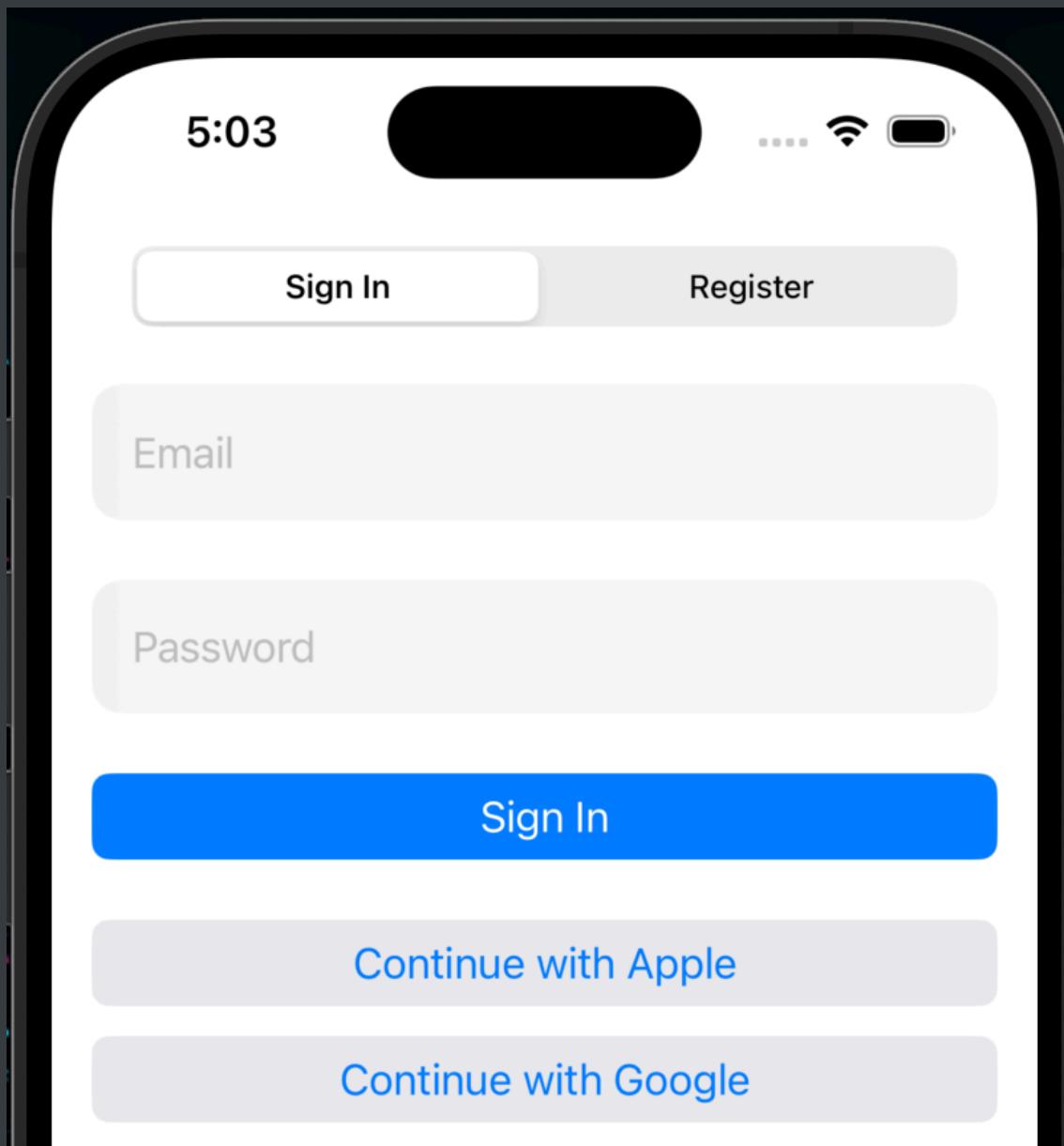
Points Forts du Projet

- Architecture logicielle **structurée, modulaire et documentée**.
- Séparation claire des responsabilités (Views, ViewModels, Services).
- Utilisation cohérente de **Firebase Auth, Realtime Database et Storage**.
- Documentation technique détaillée fournie (architecture, stockage, flux, modèles).
- Projet Firebase entièrement configuré et fonctionnel.
- Compte développeur Apple actif et application testée sur appareil réel.

Conclusion

- Bien que toutes les fonctionnalités prévues à long terme ne soient pas finalisées, **l'application respecte pleinement les exigences minimales du projet.**
- Le projet démontre une **compréhension approfondie des concepts iOS**, de Firebase et de l'architecture applicative.
- Le travail fourni dépasse volontairement le cadre minimal attendu et constitue une **base solide et fonctionnelle** pour une application complète.

Execution:



5:03



All

My bottles

Active

Locked

Ex

Allow "Drift" to use your location?

Your location is used to discover nearby bottles and unlock location-based messages.

No
create

or
map.

[Allow Once](#)

[Allow While Using App](#)

[Don't Allow](#)



Map



Messages



Profile

5:18





Navigation



Jeux



Freeform



Journal



Passwords



Fire TV



Games



Preview



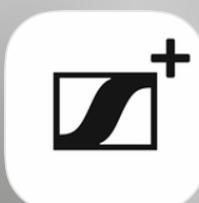
Xcode Previews



Books



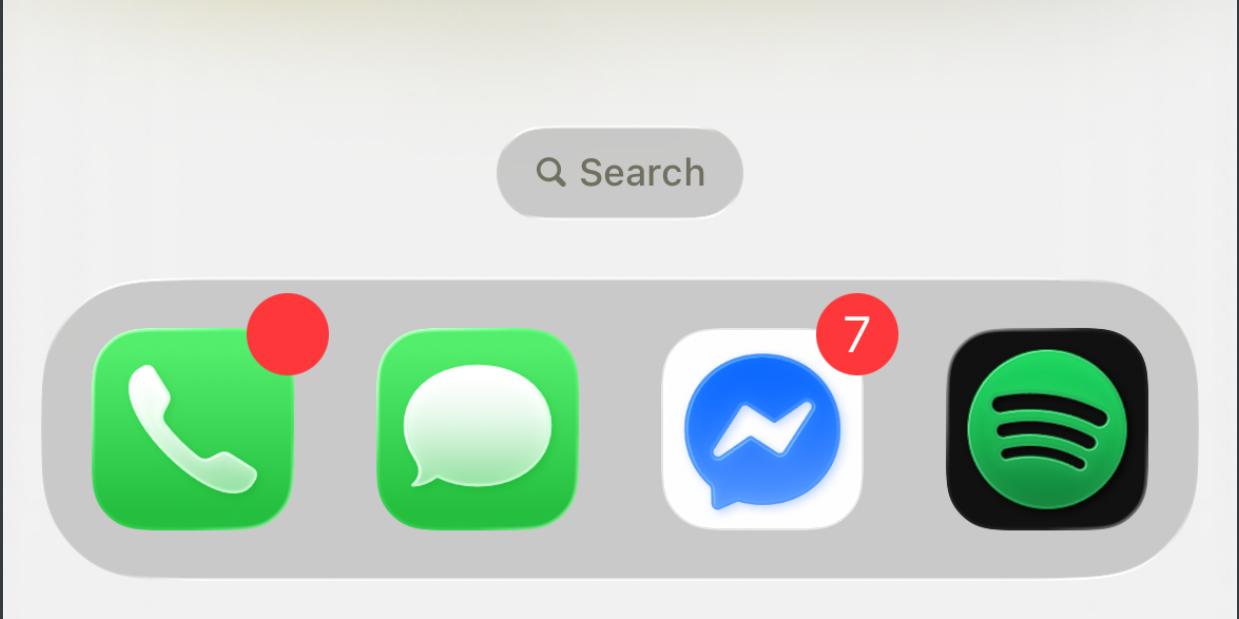
Audible



SmartControlPlus



Drift



5:18

Profile

Account

Created Dec 4, 2025 at 9:59 AM

Avatar

B Change avatar

Settings

English ◊

Green ◊

Bold ◊

Entitlements

Free user

Stats

Bottles created	0
Bottles opened	0
Distance traveled	0.00 km
Messages sent	0



Map



Messages



Profile

5:15



Back

Conditions

Close

TIME RULES

Unlock at time



Dec 15, 2025

5:14PM

Window start



Window end



WEATHER

Type (optional)

Threshold

BEHAVIOR

One shot



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5:18



Profile

Account

Created Dec 4, 2025 at 9:59 AM

Avatar



[Change avatar](#)

Settings

[English](#)

English

French

Entitlements

Free user

Stats

Bottles created	0
Bottles opened	0
Distance traveled	0.00 km
Messages sent	0



Map



Messages



Profile

5:13



Photos

Collections



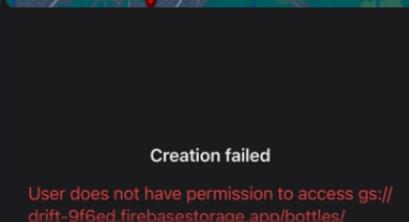
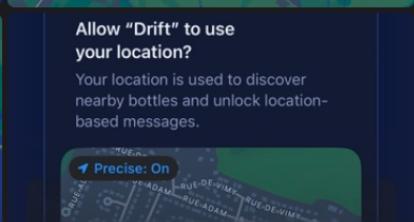
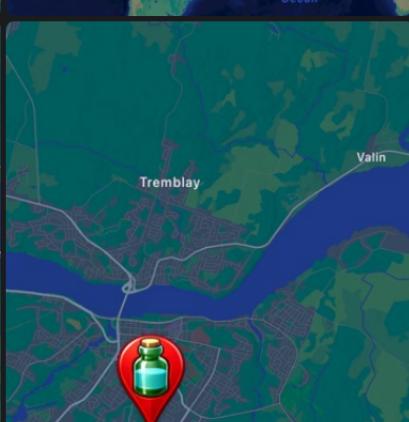
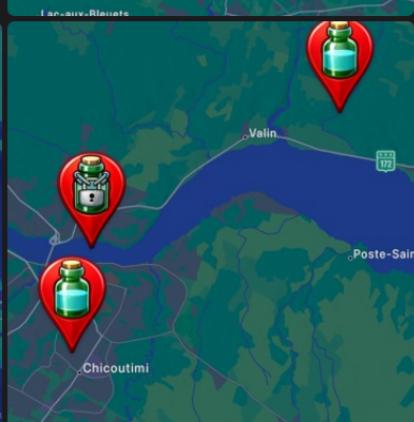
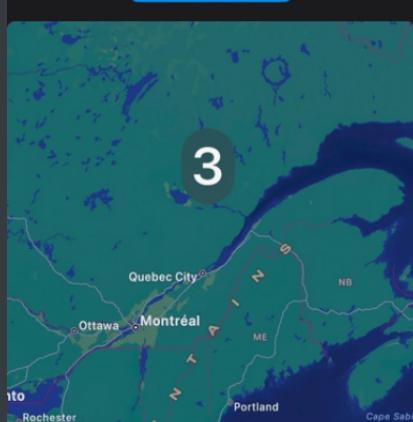
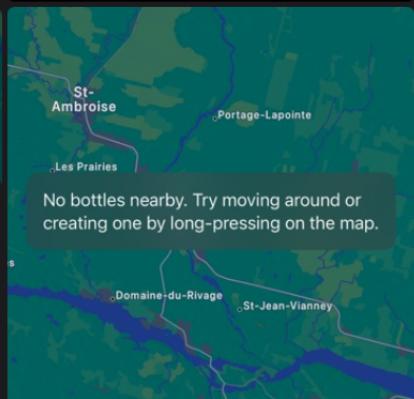
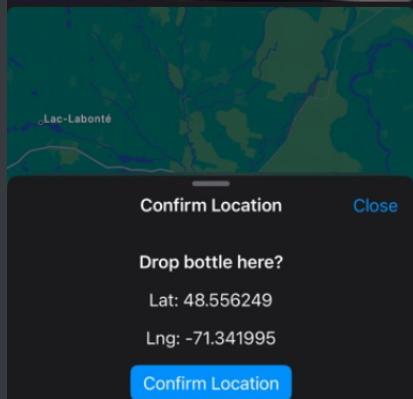
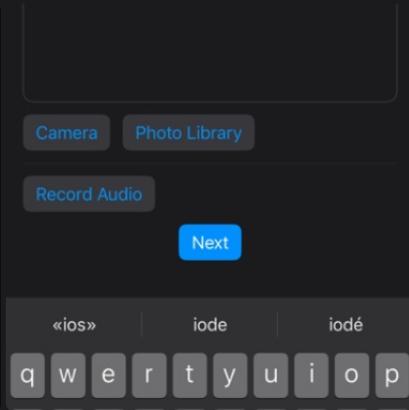
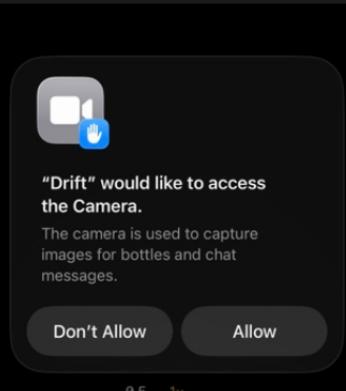
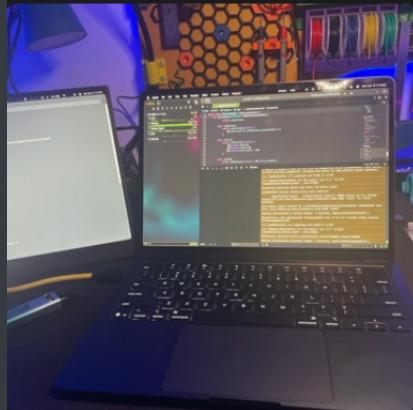
Private Access to Photos

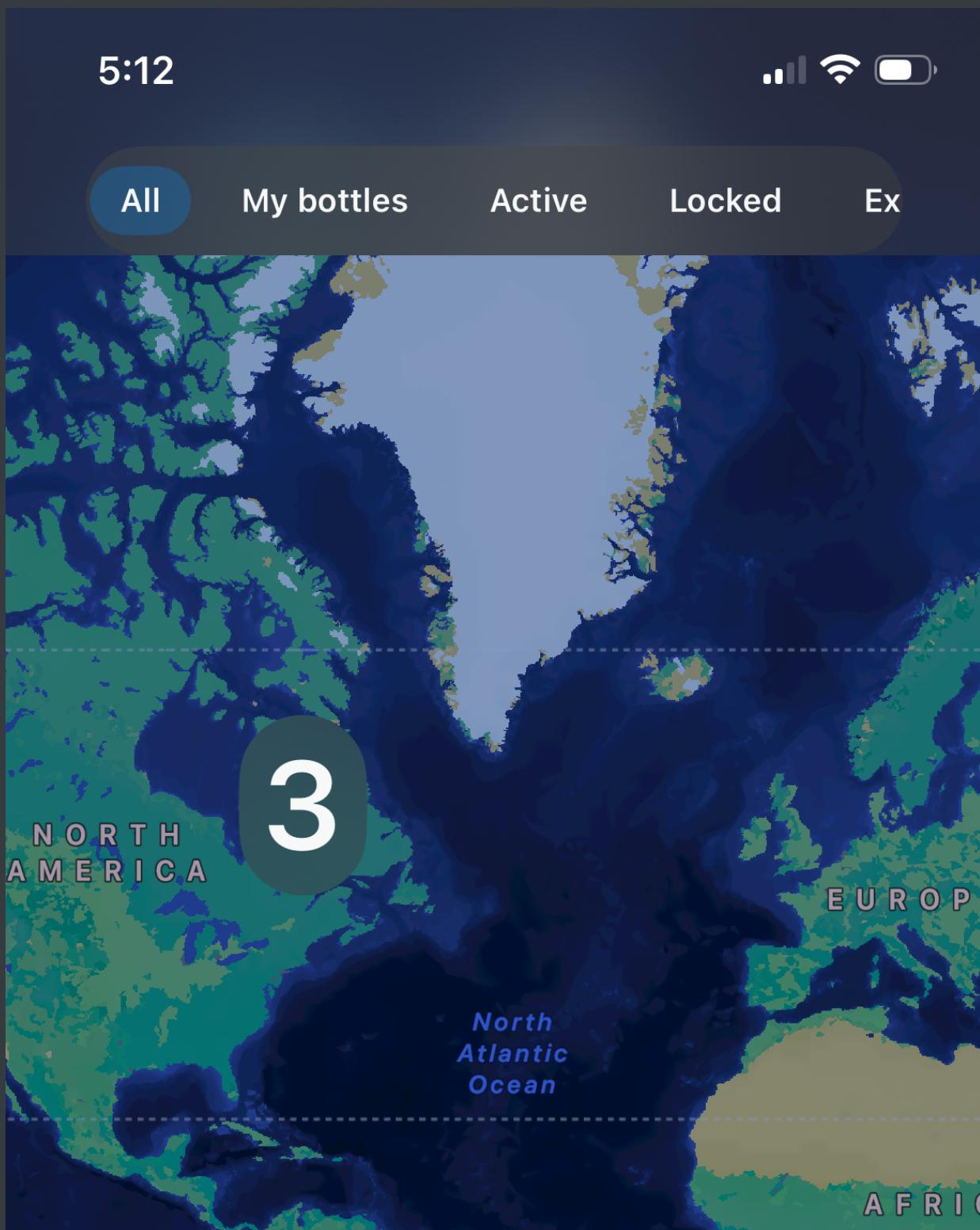
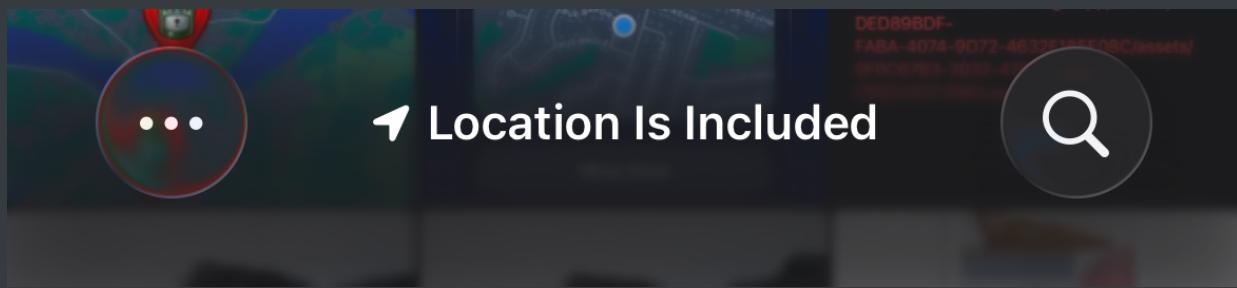




Your photo library is shown here, but
“Drift” can only access the items you
select.

Learn More...







Map



Messages



Profile

5:12



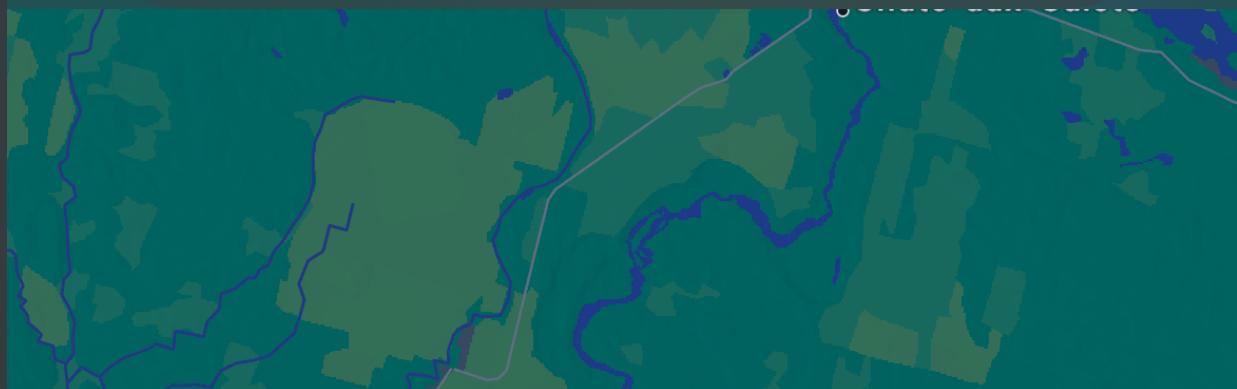
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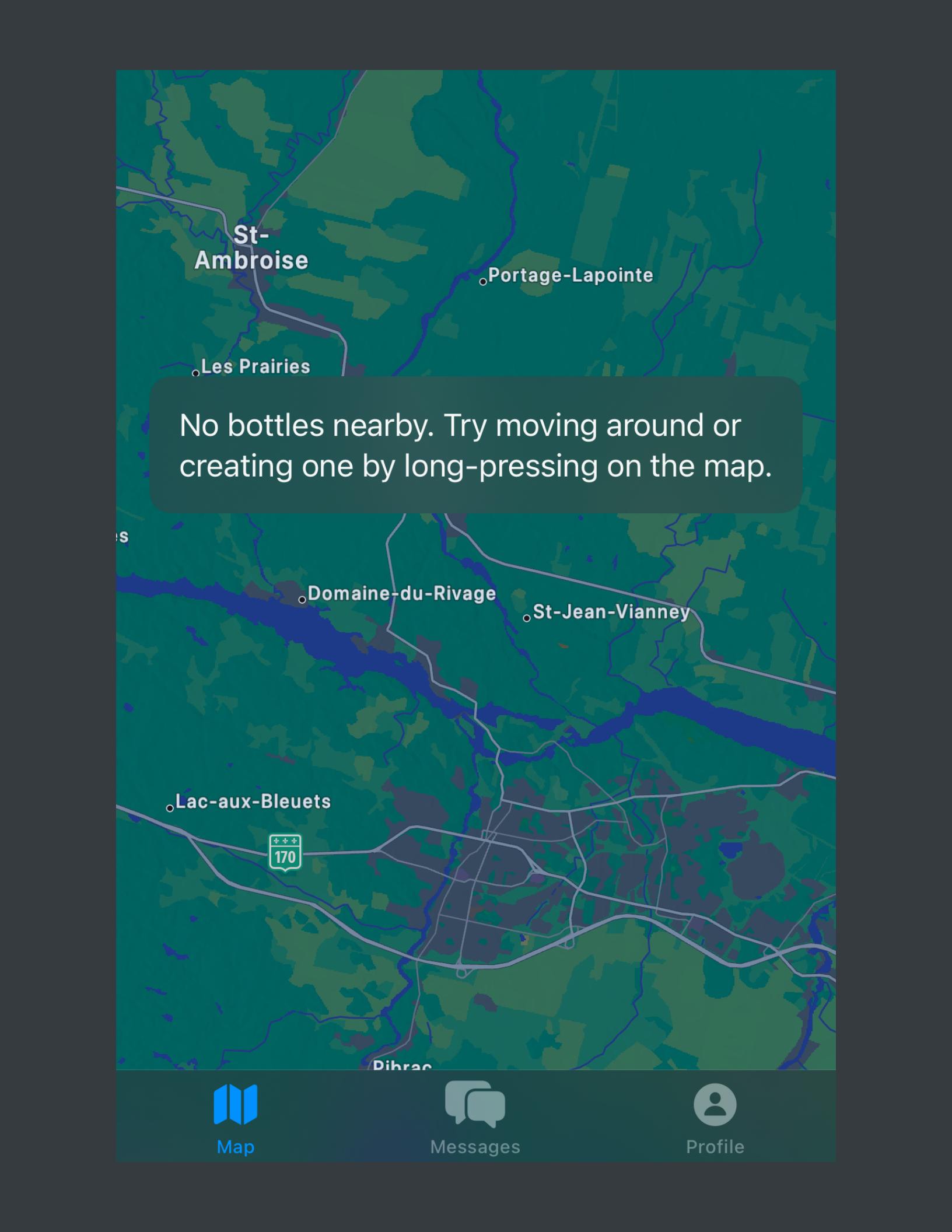
My bottles

Active

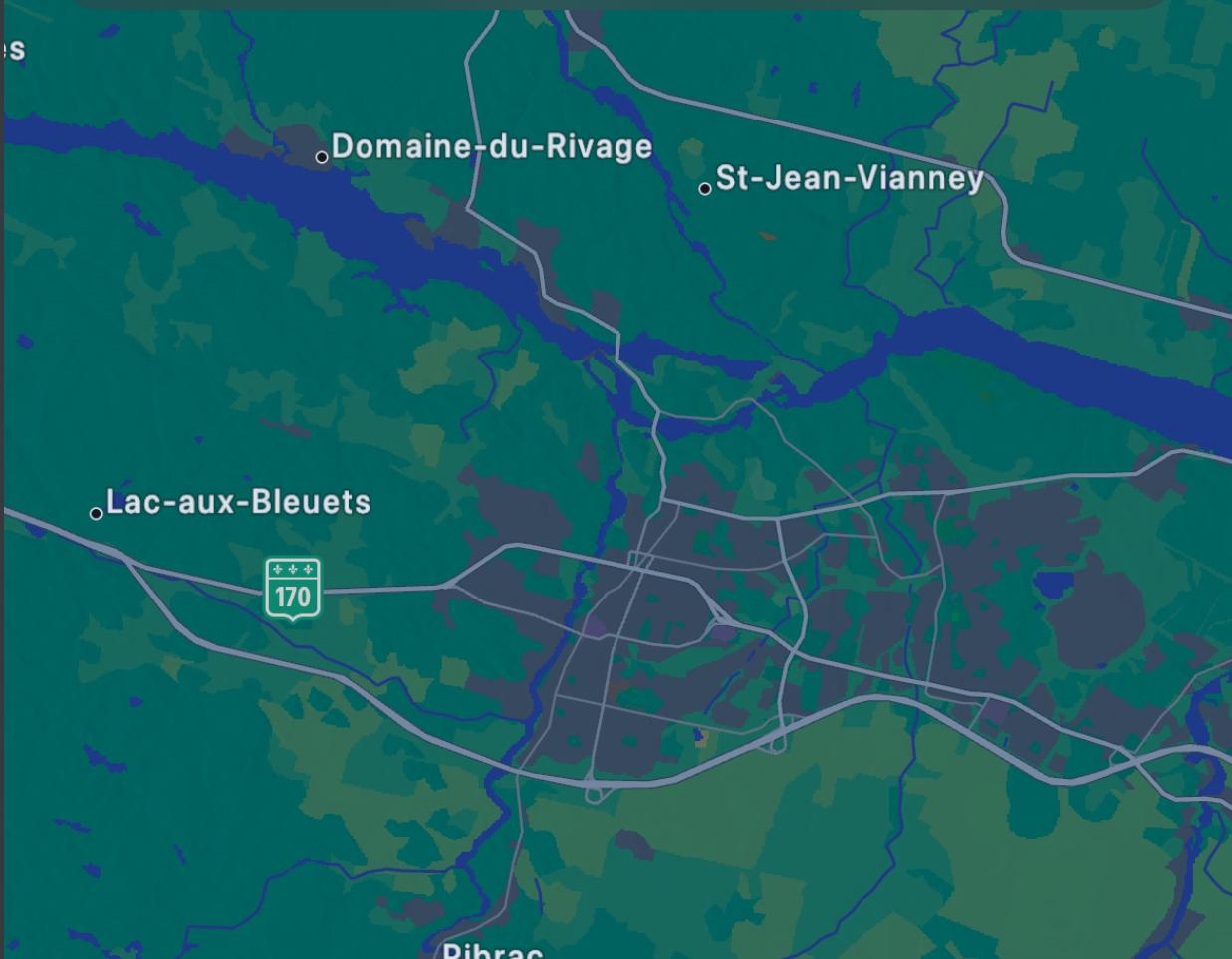
Locked

Ex





No bottles nearby. Try moving around or creating one by long-pressing on the map.



Map



Messages



Profile

5:12



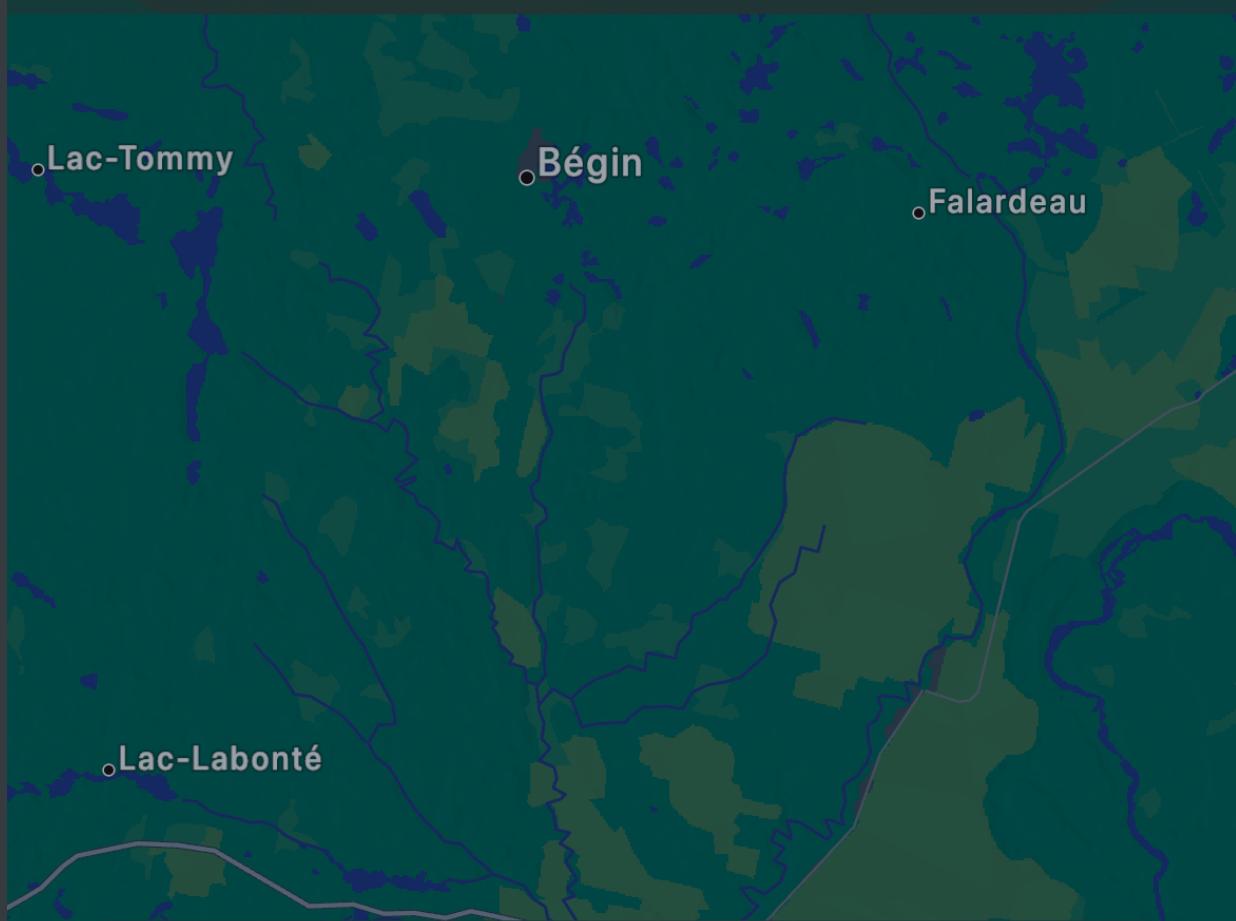
All

My bottles

Active

Locked

Ex



Confirm Location

Close

Drop bottle here?

Lat: 48.556249

Long: -71.241005

Lat: 48.85895
Lng: -2.341995

Confirm Location

5:13



Back

Bottle Content

Close

Write the bottle message

Demo projet automne 2025 ios

Camera

Photo Library

Record Audio

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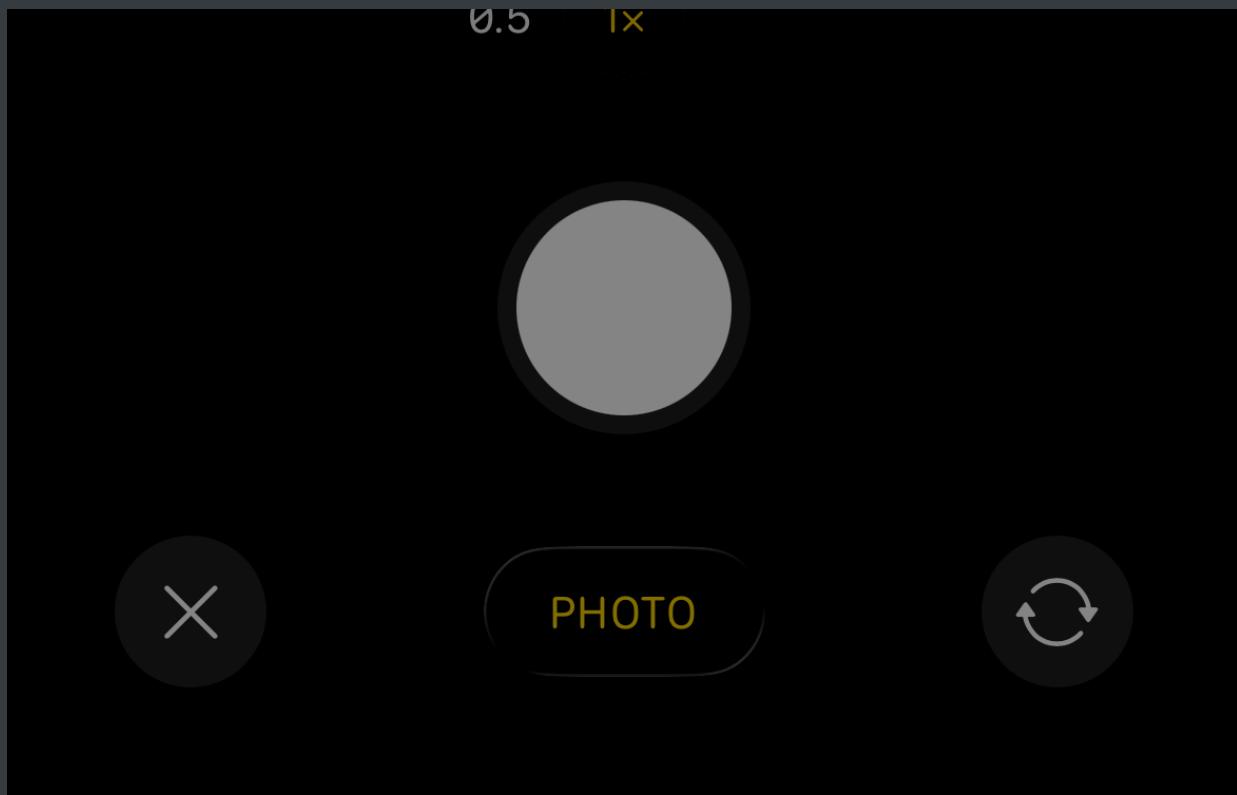


**“Drift” would like to access
the Camera.**

The camera is used to capture
images for bottles and chat
messages.

Don't Allow

Allow



5:14

Back Conditions Close

ACCESS

Password (optional)

LOCATION RULES

Exact location required

Min distance (km)

Max distance (km)

TIME RULES

Unlock at time



Window start



Window end



WEATHER

Type (optional)

Threshold

BEHAVIOR

One shot



Chat enabled



5:13



Back

Bottle Content
Write the bottle message

Close

Demo projet automne 2025 ios|



"Drift" would like to access the Microphone.

The microphone is used to record short audio messages.

Don't Allow

Allow

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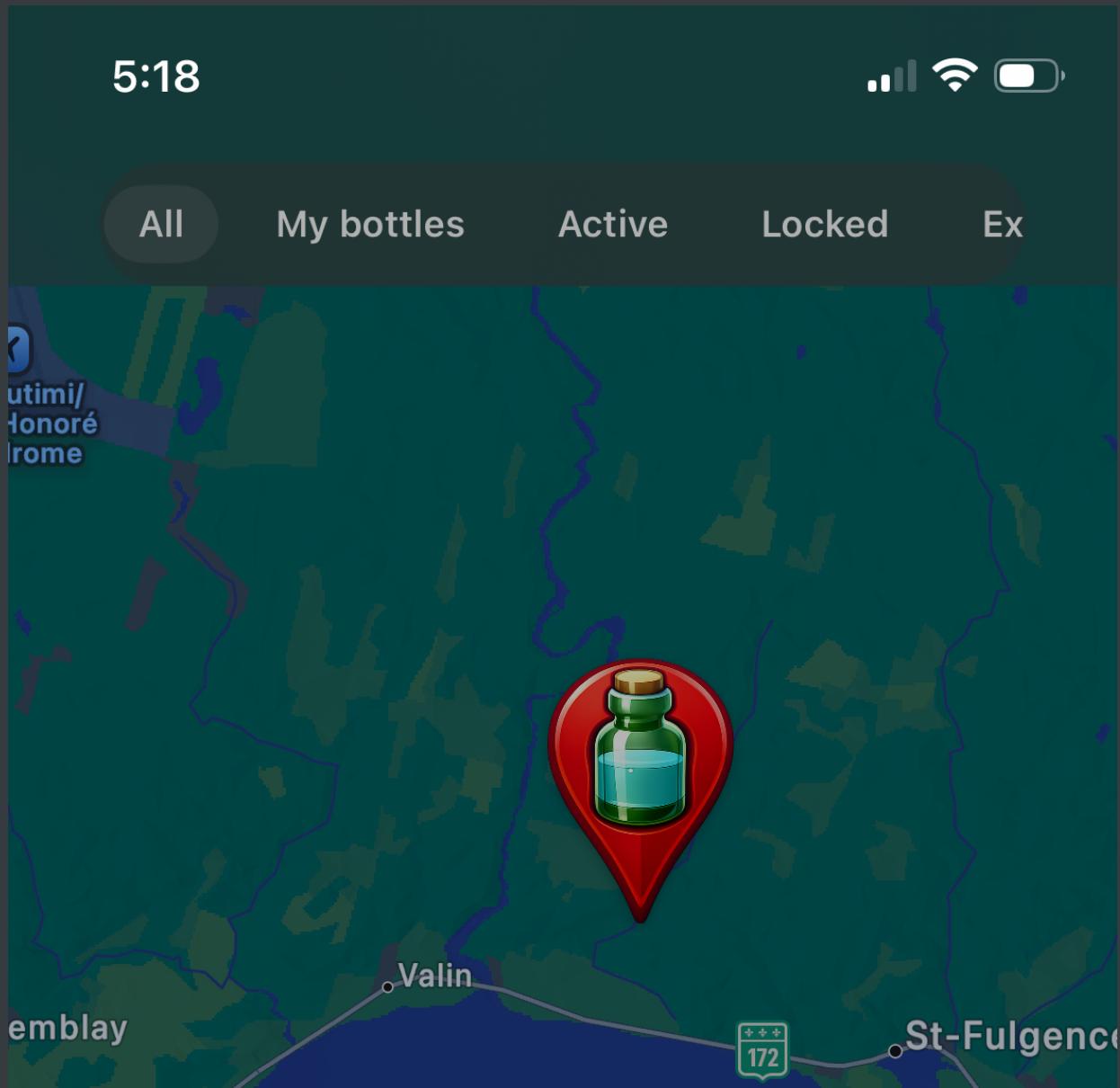
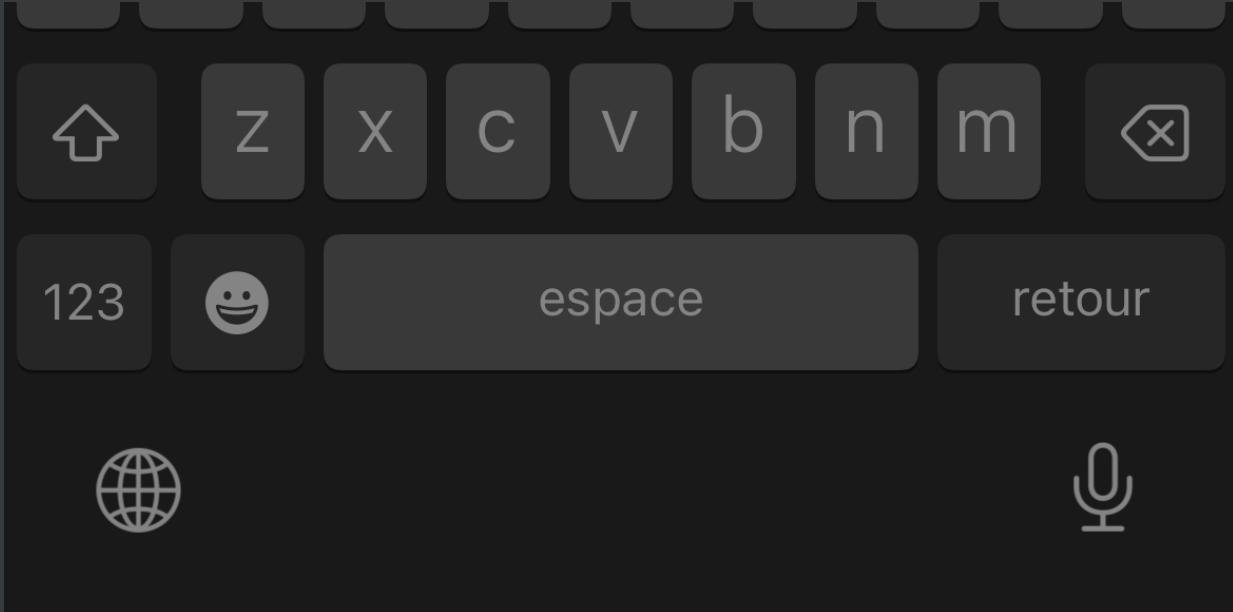
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Close

Bottle

Mon chat



5:17

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Close

Bottle

Retake

Use Photo

Chat

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Example message

B'abla



Message...

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espace

retour



5:15



Back

Conditions

Close

Window end



WEATHER

Type (optional)

Threshold

BEHAVIOR

One shot



Chat enabled



CHAT CHATICA



Next

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ABC



espace

retour



5:15



Back

Review

Close

Review

Lat: 48.556249

Lng: -71.341995

Demo projet automne 2025 il

Create Bottle

5:16



Done

Close

Bottle created

id: 0D35D2CE-16BB-42A4-AE28-0E22EA0FA63A

Done

5:16



All

My bottles

Active

Locked

Ex



Lac-Labonté

[Close](#)

Bottle

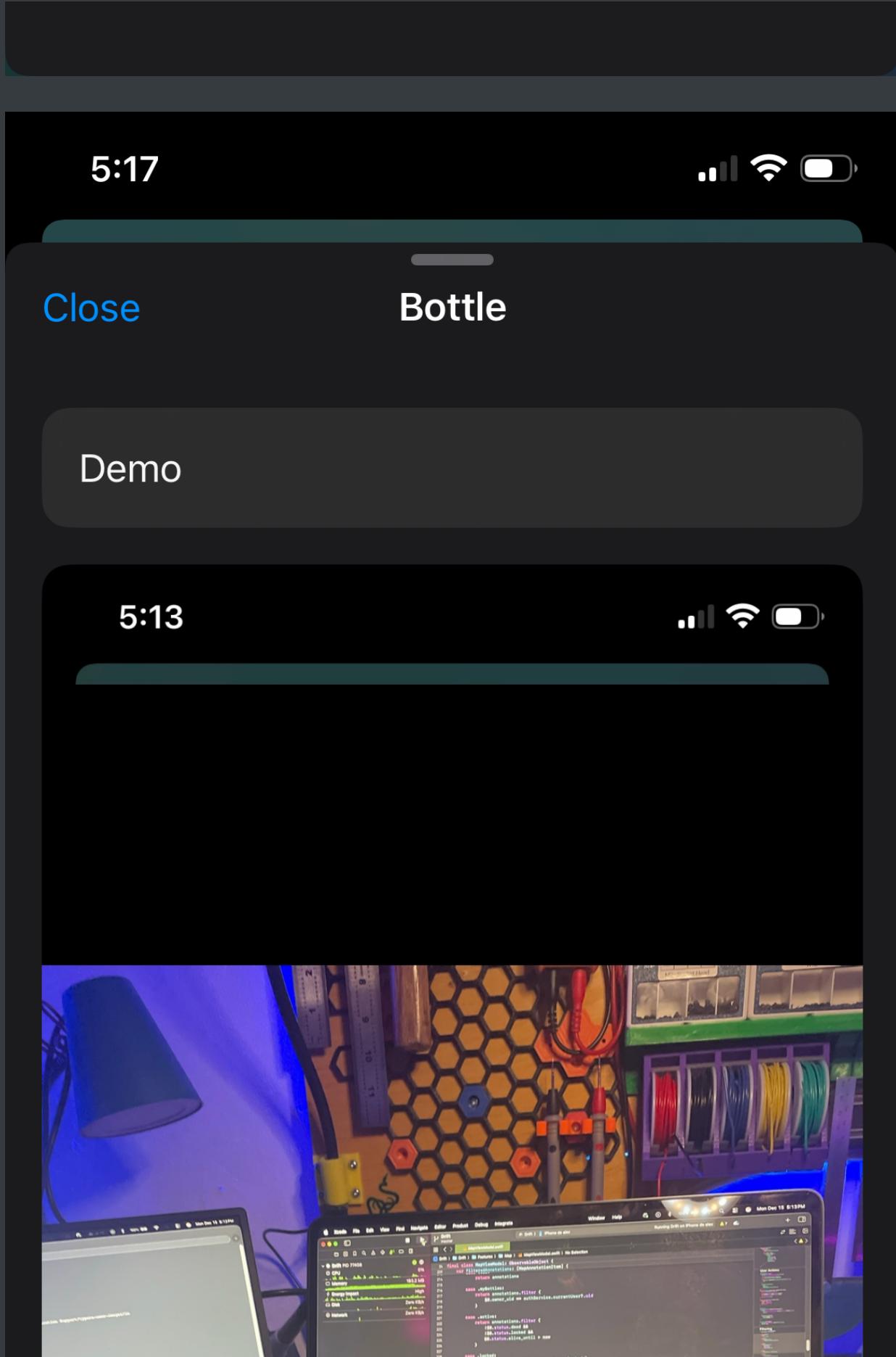
Locked

Ready to unlock.

Distance: 29.91 km

[Unlock](#)

Owner: bz0UbAe4FiNoLFNR5lMxjYv6PwJ3





Blue

✓ Green

Purple

Green ⇕

Bold ⇕

Entitlements

Free user

Stats

Bottles created	0
Bottles opened	0
Distance traveled	0.00 km
Messages sent	0



Map



Messages



Profile

5:18



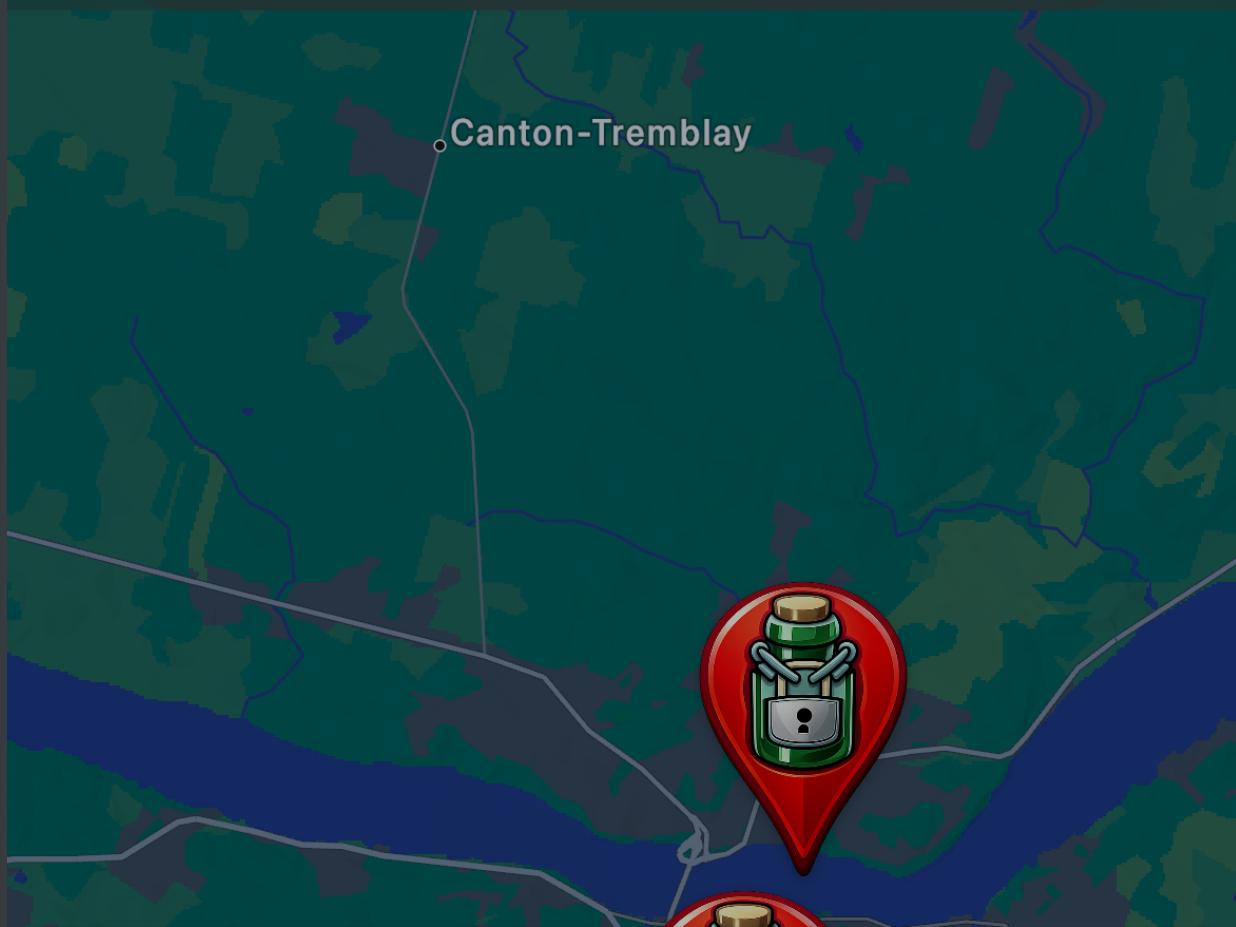
All

My bottles

Active

Locked

Ex



[Close](#)

Bottle

Locked

Weather requirement not met.

Distance: 1.77 km

Password

[Unlock](#)

UNLOCK

Owner: bz0UbAe4FiNoLFNR5IMxjYv6PwJ3

5:11



All

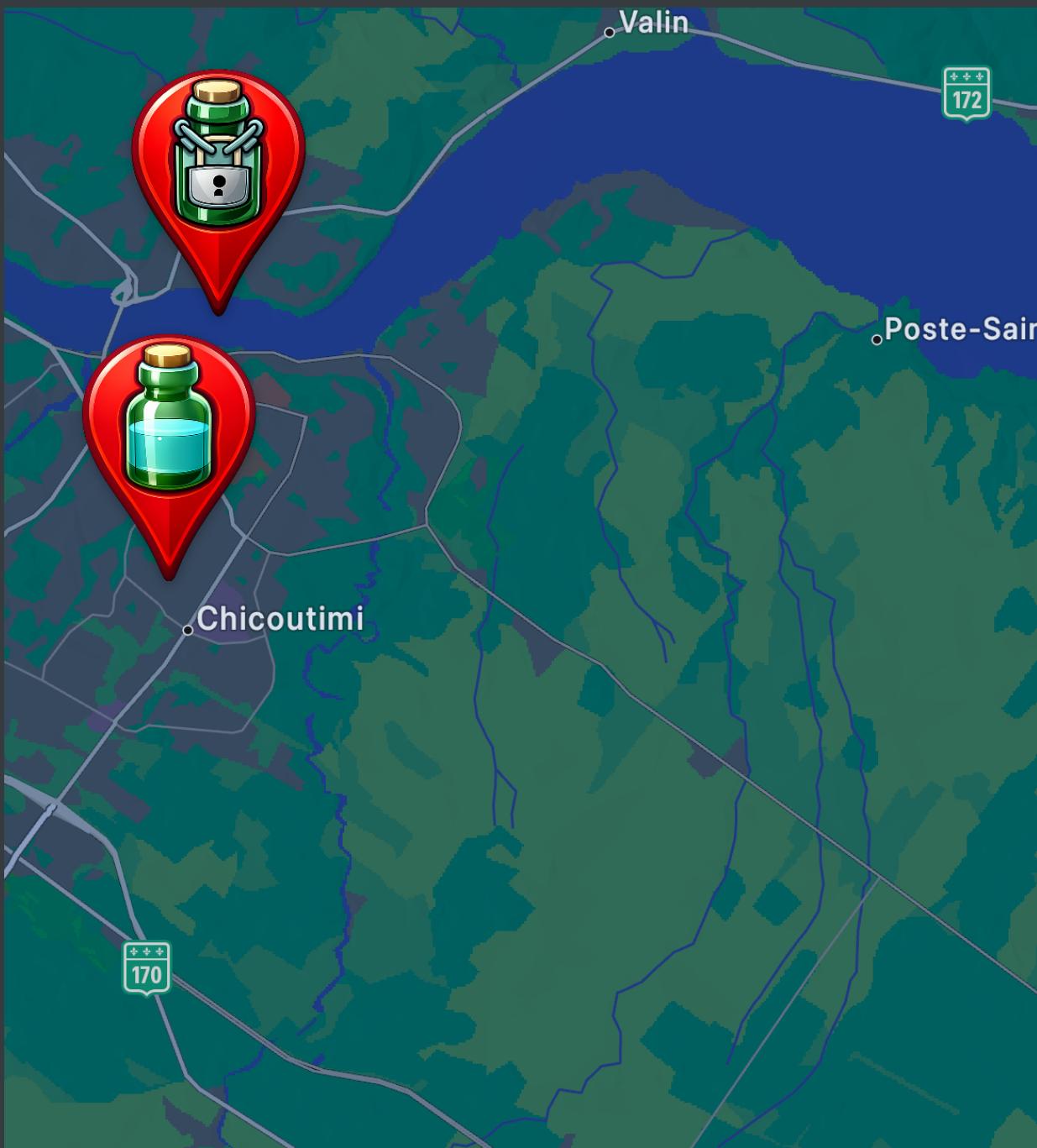
My bottles

Active

Locked

Ex





Map



Messages



Profile

5:11



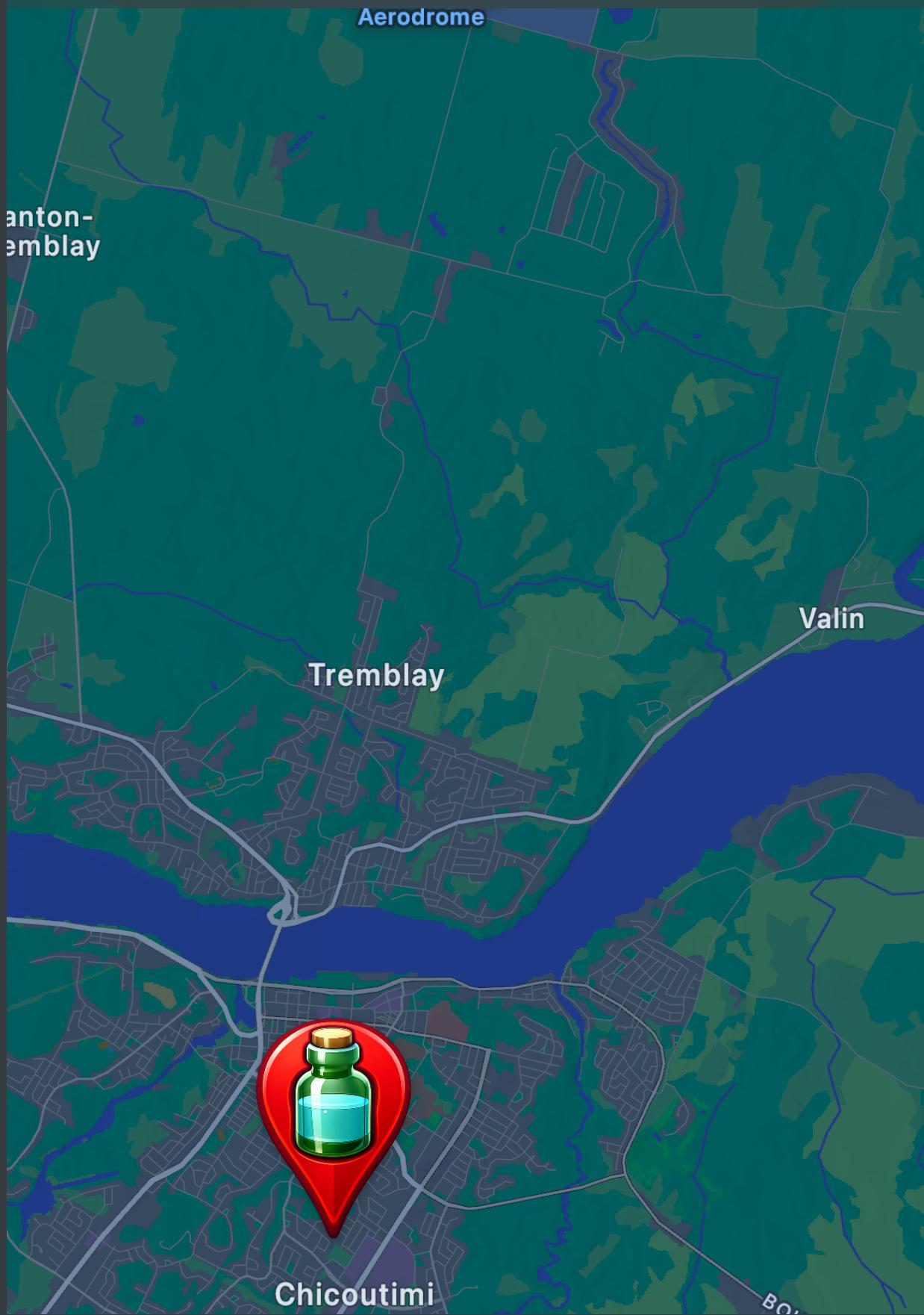
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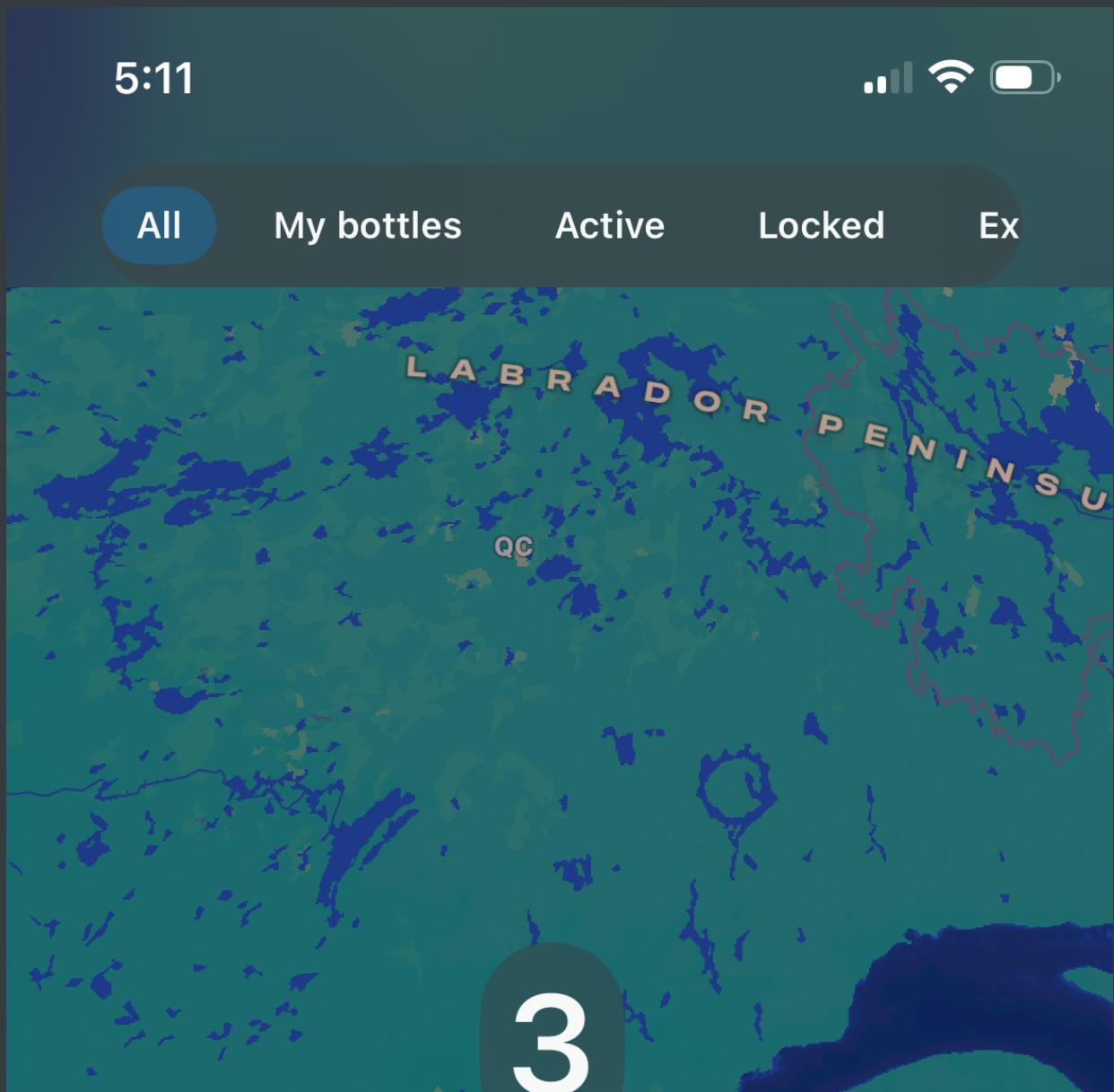
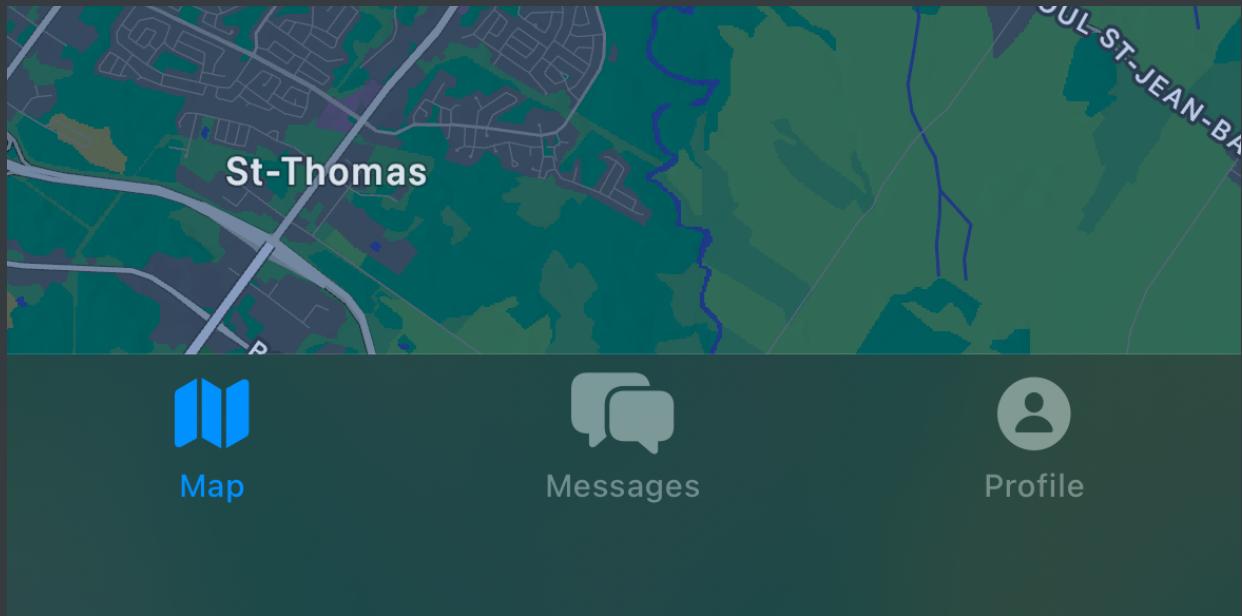
My bottles

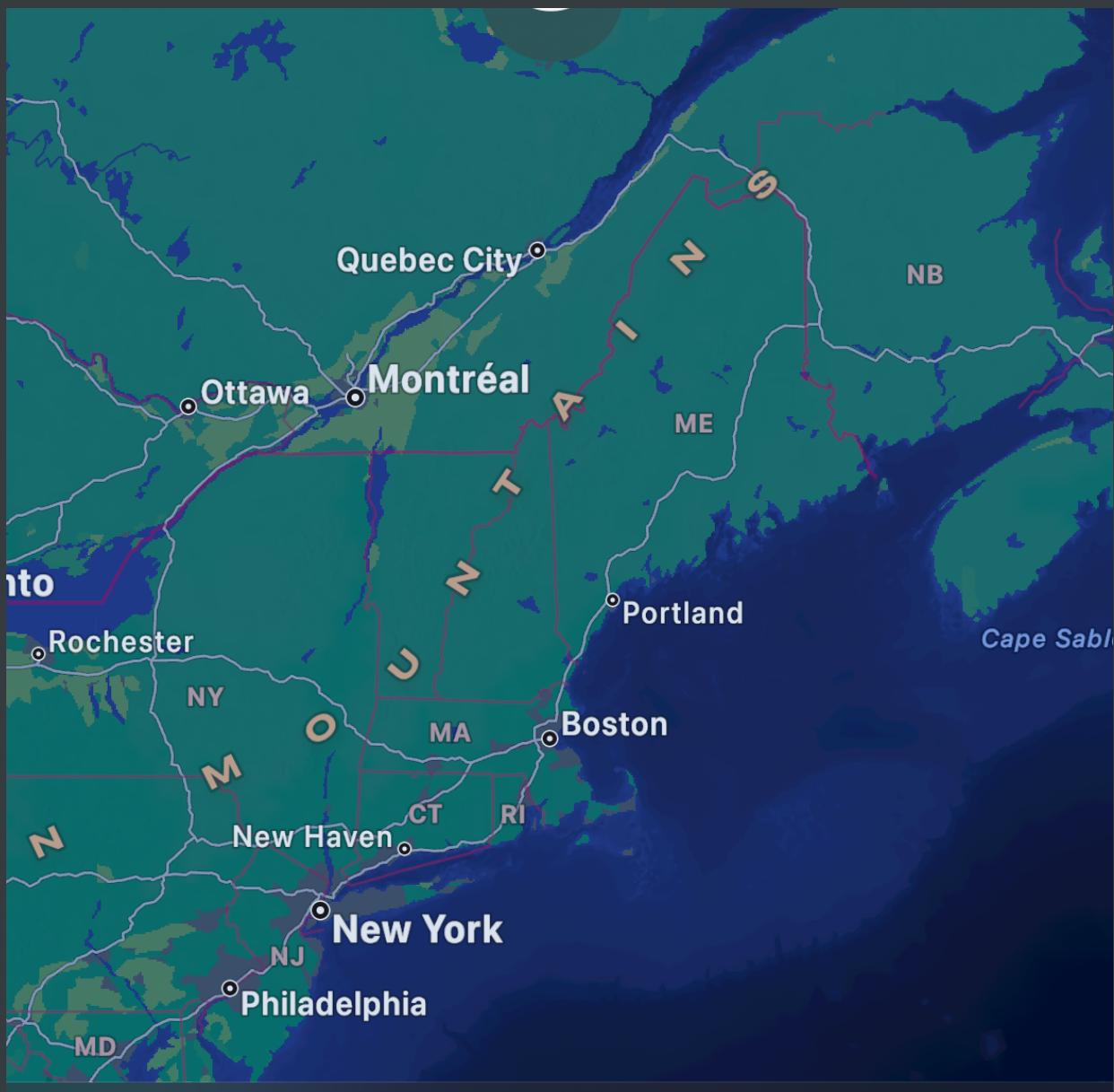
Active

Locked

E







Map



Messages



Profile

5:11



All

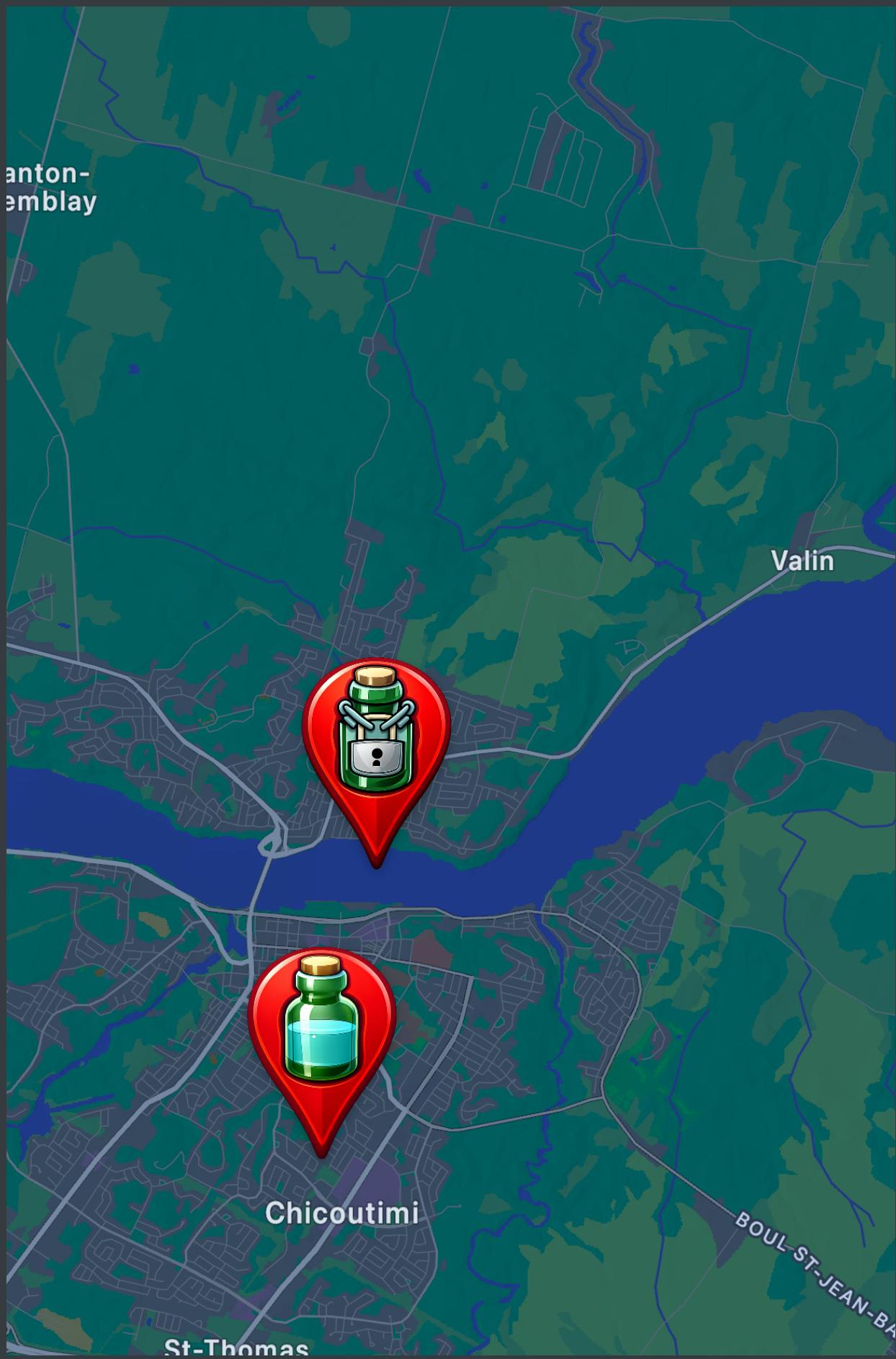
My bottles

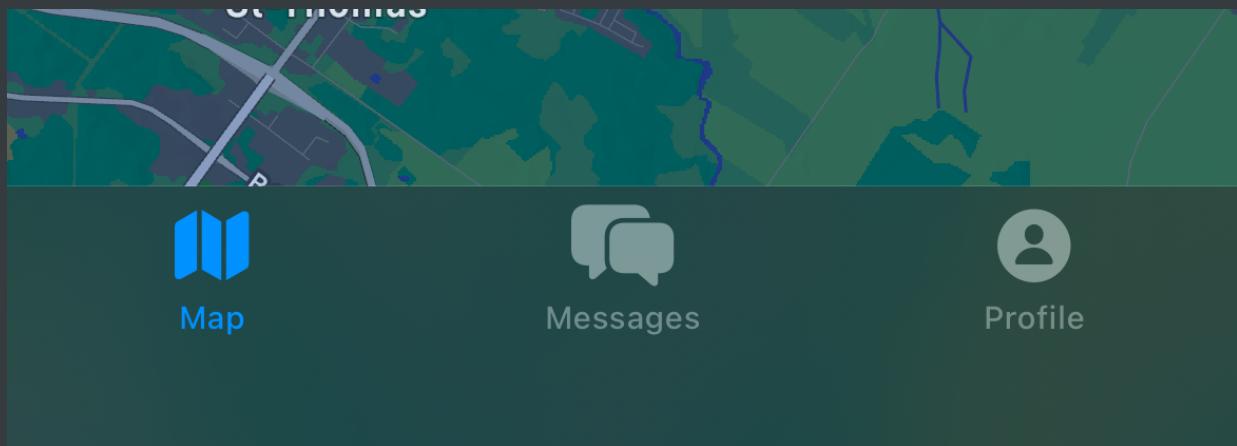
Active

Locked

E

Aerodrome





5:06

All My bottles Active Locked E

A blue rounded square icon containing a white location pin and a smaller white hand icon pointing towards it.

Allow “Drift” to use your location?

Your location is used to discover nearby bottles and unlock location-based messages.

A small inset map showing a street layout with labels like "RUE ADAM" and "RUE DE VIMY". Overlaid on the map is a green rounded rectangle containing a white location pin icon and the text "Precise: On".



Allow Once

Allow While Using App

Don't Allow



Map



Messages



Profile