

***15 Jahre Gewässerinsektenmonitoring
im BDM Schweiz***

***15 ans de recensement de
Macrozoobenthos dans le cadre du MBD
Suisse***

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15 Jahre Erfassung von Gewässerinsekten im Rahmen des BDM Schweiz

Fliessgewässerinsekten bilden nützliche Indikatoren für die Früherkennung von Veränderungen der Umweltbedingungen. Sie reagieren beispielsweise sensibel auf Gewässerbelastungen oder Klimaveränderungen. Insbesondere in Kleingewässern lässt die Artenzusammensetzung direkte Rückschlüsse auf Belastungsquellen im Einzugsgebiet zu. Seit 2010 werden im BDM Schweiz systematisch Erhebungen von Fliessgewässerinsekten durchgeführt. Mittlerweile stehen die Daten von drei vollständigen Erhebungszyklen für rund 450 Standorte zur Verfügung.

Wir freuen uns, dass die vorliegende Broschüre nun zu diesem passenden Zeitpunkt erscheint.

Die gewonnenen Gewässerinsekten-Daten, die insgesamt knapp 1'500 Erhebungen umfassen, sind von herausragendem Wert. Sie ermöglichen die Berechnung von Indikatoren, die besonders empfindlich auf Veränderungen reagieren – sei es durch menschliche Aktivitäten, den Klimawandel oder Massnahmen zur Förderung der Biodiversität. Diese Indikatoren, namentlich die beiden Indices IBCH und Spear sowie die Artenvielfalt der EPT wurden bereits in zahlreichen Forschungsarbeiten ausgewertet und veröffentlicht. Die Ergebnisse helfen, die entscheidenden Faktoren zu verstehen, die den Zustand der Biodiversität in Gewässern beeinflussen. Die gesammelten Daten tragen weiter dazu bei, Massnahmen zur Förderung der Biodiversität kontinuierlich zu entwickeln und zu verbessern.

Die vorliegende Broschüre stellt einen bisher noch fehlenden Puzzlestein dar: in Anlehnung an die vergleichbare Broschüre zu den Tagfaltern liegt der Fokus gezielt auf den einzelnen Arten, Artkomplexen und IBCH-Taxa. Das Stichprobenkonzept des BDM bildet dabei eine ideale Grundlage: Durch die rasterbasierte Zufallsauswahl werden Fliessgewässer aus allen Regionen und Höhenlagen berücksichtigt, wodurch repräsentative Aussagen möglich sind. Für häufige Arten können nicht nur Verbreitungsdaten, sondern auch Entwicklungen der letzten 15 Jahre dargestellt werden. Für ein vollständiges Bild der Verbreitung in der Schweiz sollten jedoch insbesondere bei seltenen Arten ergänzend die Verbreitungsdaten des CSCF herangezogen werden.

Im Namen des Bundesamts für Umwelt möchten wir allen Mitgliedern des BDM-Gewässerinsekten-Teams herzlich für ihr engagiertes Arbeiten und die hervorragende Qualität der gesammelten Daten danken. Wir hoffen, dass die in dieser Broschüre präsentierten Informationen nicht nur das bestehende Team, sondern auch neue Interessierte dazu anregen werden, sich weiterhin mit viel Engagement für den Erhalt intakter Fliessgewässer einzusetzen.

Dr. Jérôme Frei
Verantwortlicher für das BDM beim BAFU

Dr. Yael Schindler
Stellvertretende Sektionschefin Sektion Wasserqualität
beim BAFU

15 ans de recensement des insectes aquatiques dans le cadre du MBD Suisse

Les insectes des cours d'eau constituent des indicateurs utiles pour la détection précoce des changements des conditions environnementales. Ils réagissent par exemple de manière sensible à la pollution des eaux ou aux changements climatiques. Dans les petits cours d'eau en particulier, la composition des espèces permet de tirer des conclusions directes sur les sources de pollution dans le bassin versant. Depuis 2010, des relevés systématiques des insectes des cours d'eau sont effectués par le MBD Suisse. Entre-temps, les données de trois cycles complets de relevés sont disponibles pour environ 450 sites.

Nous sommes heureux que la présente brochure paraisse à ce moment précis.

Les données obtenues sur les insectes aquatiques, qui comprennent au total près de 1'500 relevés, sont d'une valeur exceptionnelle. Elles permettent de calculer des indicateurs particulièrement sensibles aux changements, qu'ils soient dus aux activités humaines, au changement climatique ou aux mesures de promotion de la biodiversité. Ces indicateurs, notamment les deux indices IBCH et Spear ainsi que la diversité des espèces EPT, ont déjà été évalués et publiés dans le cadre de nombreux travaux de recherche. Les résultats aident à comprendre les facteurs décisifs qui influencent l'état de la biodiversité dans les cours d'eaux. Les données collectées contribuent en outre à développer et à améliorer en permanence les mesures de promotion de la biodiversité.

La présente brochure constitue une pièce manquante du puzzle : à l'instar de la brochure comparable sur les papillons diurnes, l'accent est mis de manière ciblée sur les différentes espèces, les complexes d'espèces et les taxons IBCH. Le concept d'échantillonnage du MBD constitue à cet égard une base idéale : grâce à la sélection aléatoire basée sur une grille, les cours d'eau de toutes les régions et de toutes les altitudes sont pris en compte, ce qui permet de tirer des conclusions représentatives. Pour les espèces fréquentes, il est possible de présenter non seulement les données de répartition, mais aussi l'évolution des 15 dernières années. Pour obtenir une image complète de la répartition en Suisse, il convient toutefois, en particulier pour les espèces rares, de recourir en complément aux données de répartition du CSCF.

Au nom de l'Office fédéral de l'environnement, nous tenons à remercier chaleureusement tous les membres de l'équipe des insectes d'eau du MBD pour leur travail engagé et l'excellente qualité des données collectées. Nous espérons que les informations présentées dans cette brochure inciteront non seulement l'équipe en place, mais aussi de nouvelles personnes intéressées, à poursuivre leur engagement en faveur de la préservation de cours d'eau intacts.

Dr. Jérôme Frei
Verantwortlicher für das BDM beim BAFU

Dr. Yael Schindler
Stellvertretende Sektionschefin Sektion Wasserqualität
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Einleitung

Im Rahmen des Biodiversitätsmonitorings Schweiz (BDM) wird seit 2010 die Artenvielfalt der Gewässerinsekten erfasst. Es liegen nun drei vollständige Erhebungsperioden von jeweils 5 Jahren vor.

Um repräsentative Aussagen zur Veränderung verbreiteter und häufiger Arten in der Schweiz zu erhalten, werden im BDM die Daten mittels einer gesamtschweizerischen Stichprobenerhebungen erfasst. Die Stichprobenflächen liegen auf einem regelmässigen Stichprobennetz. Das Messnetz zur Erhebung der Vielfalt von Gewässerinsekten umfasst etwa 500 Abschnitte von rund 5 bis 100 Metern Länge in kleineren Fliessgewässern:



Mit Fischerstiefeln ausgerüstet waten BDM-Feldmitarbeitende entlang eines genau vorgegebenen Abschnitts durch das Wasser von kleineren Flüssen und von Bächen. An mehreren Stellen wird das Sediment aufgewühlt und mit einem Standard-Kescher eingesammelt, anschliessend werden sämtliche Gewässerwirbellosen aussortiert und auf Familienniveau bestimmt. Bei den Larven der drei Insektenordnungen Eintags-, Stein- und Köcherfliegen erfolgt zusätzlich eine Bestimmung auf Artniveau. Zusätzlich werden an jeder Messstelle auch Angaben zur Ökomorphologie und Wasserqualität notiert. Diese Methodik ist abgestimmt mit dem breit eingesetzten Modul-Stufen-Konzept für das Makrozoobenthos <https://modul-stufen-konzept.ch> und wird zum Beispiel auch in der Nationalen Beobachtung Oberflächengewässerqualität NAWA verwendet.

Weitere Angaben zum Stichprobendesign und zur Erfassungsmethode (Feldanleitung) finden sich auf der BDM-Homepage:

<https://www.biodiversitymonitoring.ch/index.php/de/methodik/messnetz-fliesssgewaesser>

Für die im BDM festgestellten EPT-Arten und IBCH-Taxa werden in dieser Publikation diverse Angaben zum Vorkommen und zur Entwicklung präsentiert. Es sind dies:

Allgemeine Angaben zur Art

Im Kopfteil der Datenblätter werden Angaben zum Status jeder Art gemacht:

- RL CH: Gefährdungsstatus (IUCN Kategorien) gemäss der Roten Liste der Eintagsfliegen, Steinfliegen, Köcherfliegen der Schweiz (Lubini et al. 2010)
- Prio: Prioritätsstatus gemäss der Liste der national prioritären Arten (BAFU 2019a): 1 = sehr hoch, 2 = hoch, 3 = mittel, 4 = mässig.
- Indikatorgruppe gemäss IBCH-Methode (BAFU 2019b)

Vorkommen

Eine Karte pro Art präsentiert das Vorkommen im BDM, differenziert nach Erst- (2010 – 2014), Zweit- (2015 – 2019) und Dritterhebung (2020– 2024). Die Hintergrundkarte stellt verschiedene grosse Einzugsgebiete der Schweiz dar.

Zwecks Übersichtlichkeit wurde eine etwas vereinfachte Darstellungsform gewählt:

Konstant: Nachweise aus mehreren Erhebungstranchen zwischen 2010–2024.

Nur vor 2015: Nachweise nur in den Jahren 2010–2014.

Nur 2015–2019: Nachweise nur in den Jahren 2015–2019.

Nur nach 2020: Nachweise nur in den Jahren 2020–2024.

Die Daten des BDM fliessen in die Datenbank des Centre Suisse de Cartographie de la Faune (CSCF) ein. Da seltene Arten im BDM eher unterrepräsentiert sind, finden sich für diese beim CSCF vollständigere Verbreitungskarten (<https://lepus.infofauna.ch/cartof/>).

Höhenverbreitung

Die Grafik zeigt die Höhenverbreitung jeder Art. Dargestellt ist für jedes Höhensegment die durchschnittliche Anzahl Individuen pro Standort, bezogen auf alle Erhebungen zwischen 2010 und 2024, auf denen die entsprechende Art festgestellt wurde.

Entwicklung

Darstellung des jährlichen Auftretens anhand der durchschnittlichen Individuenzahl aller Standorte, auf denen die Art zwischen 2010 und 2024 festgestellt wurde. Für die bessere Vergleichbarkeit der Individuenzahlen zwischen den Arten sind die Daten logarithmiert dargestellt. Bei Arten mit lückenlosen Nachweisen im BDM ist ausserdem eine Linie mit dem mittleren Trend dargestellt. Signifikante Zunahmen werden durch ein grünes Pluszeichen und signifikante Abnahmen durch ein rotes Minuszeichen neben dem Abbildungstitel ausgewiesen. Bei nicht signifikanten Entwicklungen steht ein Gleich-Zeichen. Das BDM verwendet generalisierte lineare Mischmodelle (GLMM) mit Poisson-verteilten Fehlern und dem Zufallsfaktor "Standort" für Arten, die auf mehr als zwei Erhebungsflächen nachgewiesen wurden. Bei selteneren Arten sind die Jahreswerte mit Punkten dargestellt und es ist keine Tendaussage möglich.

Verbreitung nach Gewässerordnungszahl

Die Grafik zeigt die Verbreitung jeder Art in unterschiedlich grossen Fliessgewässern unterteilt nach Gewässerordnungszahl FLOZ nach Strahler (<https://de.wikipedia.org/wiki/Flussordnungszahl>). Je grösser die Zahl, umso weiter unten im Gewässerverbund befindet sich ein Standort. Dargestellt ist für jede Gewässergrösse die durchschnittliche Anzahl Individuen pro Standort, bezogen auf alle Erhebungen zwischen 2010 und 2024, auf denen die entsprechende Art festgestellt wurde.

Literatur

BAFU 2019a: Liste der National Prioritären Arten und Lebensräume. In der Schweiz zu fördernde prioritäre Arten und Lebensräume. Bundesamt für Umwelt, Bern. Umwelt-Vollzug Nr. 1709: 99 S.

BAFU 2019b: Methoden zur Untersuchung und Beurteilung von Fliessgewässern (IBCH_2019). Makrozoobenthos – Stufe F. 1. aktualisierte Ausgabe, November 2019; Erstausgabe 2010. Bundesamt für Umwelt, Bern. Umwelt-Vollzug Nr. 1026: 59 S.

Lubini V., Knispel S., Sartori M., Vicentini H., Wagner A. 2012: Rote Listen Eintagsfliegen, Steinfliegen, Köcherfliegen. Gefährdete Arten der Schweiz, Stand 2010. Bundesamt für Umwelt, Bern, und Schweizer Zentrum für die Kartographie der Fauna, Neuenburg. Umwelt-Vollzug Nr. 1212: 111 S.

Introduction

Dans le cadre du Monitoring de la biodiversité en Suisse (MBD), la diversité des espèces d'insectes aquatiques est recensée depuis 2010. Nous disposons à présent de trois périodes de recensement complètes de cinq ans chacune.

Afin d'obtenir des informations représentatives sur l'évolution des espèces répandues et fréquentes en Suisse, les données du MBD sont collectées au moyen d'un relevé par échantillonnage à l'échelle nationale. Les surfaces d'échantillonnage se situent sur un réseau d'échantillonnage régulier. Le réseau de mesure pour le recensement de la diversité des insectes aquatiques comprend environ 500 tronçons d'environ 5 à 100 mètres de long dans les petits cours d'eau :



Équipés de bottes de pêche, les collaborateurs et collaboratrices de terrain du MBD travaillent long d'un tronçon bien défini. A plusieurs endroits, les sédiments sont remués et collectés à l'aide d'une époussette standard, puis tous les invertébrés aquatiques sont triés et identifiés au niveau de la famille. Les larves des trois ordres d'insectes, éphémères, plécoptères et trichoptères, sont également déterminées au niveau de l'espèce. Des informations sur l'écologie et la qualité de l'eau sont également notées dans chaque station de mesure. Cette méthodologie est harmonisée avec le système modulaire gradué largement utilisé pour le macrozoobenthos <https://modul-stufen-konzept.ch> et est également utilisée, par exemple, dans l'Observation nationale de la qualité des eaux de surface NAWA.

De plus amples informations sur le plan d'échantillonnage et la méthode de relevé (instructions de terrain) sont disponibles sur le site Internet du MBD :

<https://www.biodiversitymonitoring.ch/index.php/fr/methodologie/reseau-dechantillonnage-des-cours-deau>

Pour les espèces EPT et les taxons IBCH identifiés dans le MBD, cette publication présente diverses données sur leur présence et leur évolution. Il s'agit de:

Présence

Une carte par espèce présente la présence dans le MBD, différenciée selon le premier relevé (2010 - 2014), le deuxième relevé (2015 - 2019) et le troisième relevé (2020 - 2024). Le fond de carte représente différents grands bassins versants de Suisse.

Pour des raisons de clarté, une forme de représentation quelque peu simplifiée a été choisie :

Constant : observations issues de plusieurs tranches de relevés entre 2010-2024.

Avant 2015 uniquement : observations uniquement dans les années 2010-2014.

Seulement 2015-2019 : observations uniquement dans les années 2015-2019.

Seulement après 2020 : observations uniquement dans les années 2020-2024.

Les données du MBD sont intégrées dans la base de données du Centre Suisse de Cartographie de la Faune (CSCF). Les espèces rares étant plutôt sous-représentées dans le MBD, le CSCF fournit des cartes de répartition plus complètes pour ces espèces (<https://lepus.infofauna.ch/cartol/>).

Répartition altitudinale

Le graphique montre la répartition altitudinale de chaque espèce. Pour chaque segment altitudinal, le nombre moyen d'individus par site est représenté, sur la base de tous les relevés effectués entre 2010 et 2024 sur lesquels l'espèce correspondante a été observée.

Evolution

Représentation de l'occurrence annuelle à l'aide du nombre moyen d'individus de tous les sites sur lesquels l'espèce a été constatée entre 2010 et 2024. Afin de faciliter la comparaison du nombre d'individus entre les espèces, les données sont présentées sous forme de logarithmes. Pour les espèces dont la présence est attestée de manière continue dans le MBD, une ligne indiquant la tendance moyenne est également représentée. Les augmentations significatives sont signalées par un signe plus vert et les diminutions par un signe moins rouge à côté du titre de la figure. Le MBD utilise des modèles linéaires généralisés mixtes (GLMM) avec des erreurs distribuées selon une loi de Poisson et le facteur aléatoire « site » pour les espèces recensées sur plus de deux surfaces de relevé. Pour les espèces plus rares, les valeurs annuelles sont représentées par des points et il n'est pas possible de dégager une tendance.

Littérature

BAFU 2019a: Liste der National Prioritären Arten und Lebensräume. In der Schweiz zu fördernde prioritäre Arten und Lebensräume. Bundesamt für Umwelt, Bern. Umwelt-Vollzug Nr. 1709: 99 S.

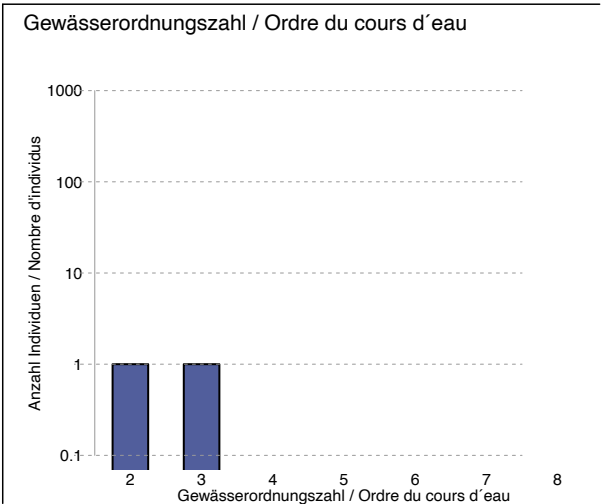
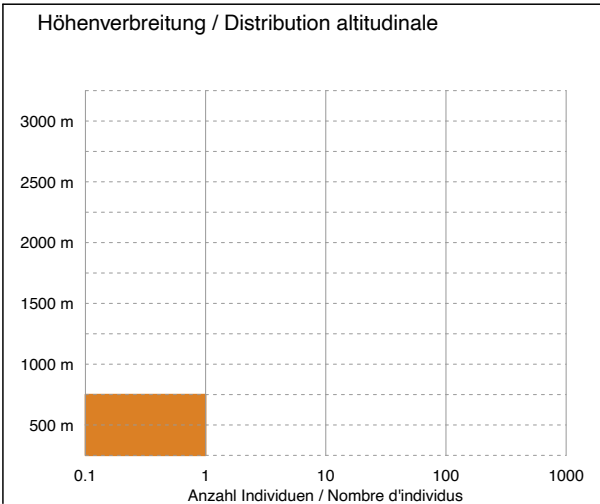
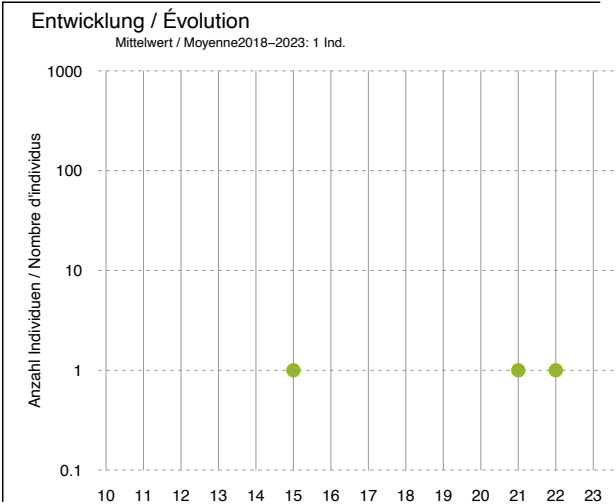
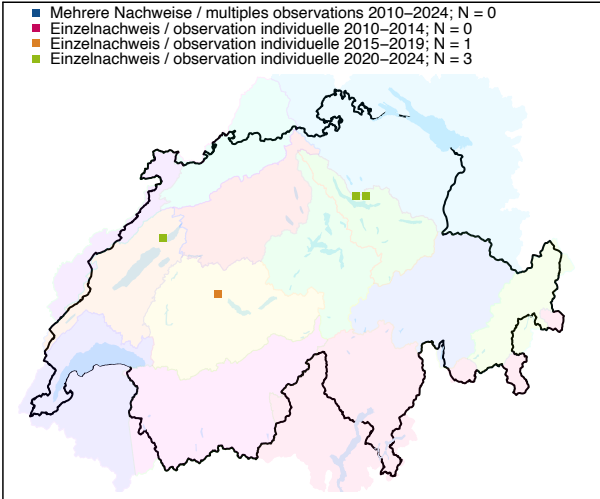
BAFU 2019b: Methoden zur Untersuchung und Beurteilung von Fliessgewässern (IBCH_2019). Makrozoobenthos – Stufe F. 1. aktualisierte Ausgabe, November 2019; Erstausgabe 2010. Bundesamt für Umwelt, Bern. Umwelt-Vollzug Nr. 1026: 59 S.

Lubini V., Knispel S., Sartori M., Vicentini H., Wagner A. 2012: Rote Listen Eintagsfliegen, Steinfliegen, Köcherfliegen. Gefährdete Arten der Schweiz, Stand 2010. Bundesamt für Umwelt, Bern, und Schweizer Zentrum für die Kartographie der Fauna, Neuenburg. Umwelt-Vollzug Nr. 1212: 111 S.

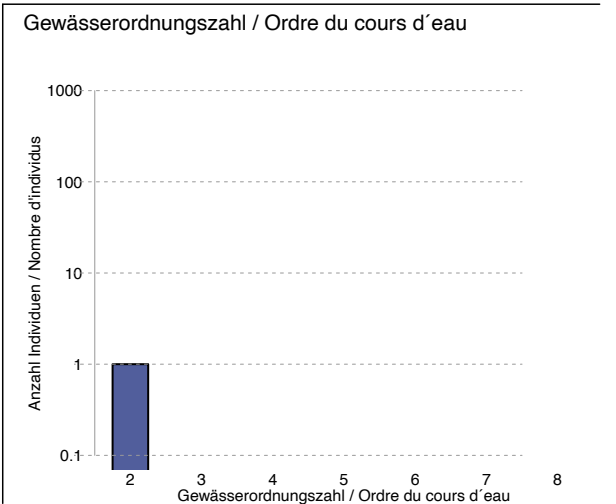
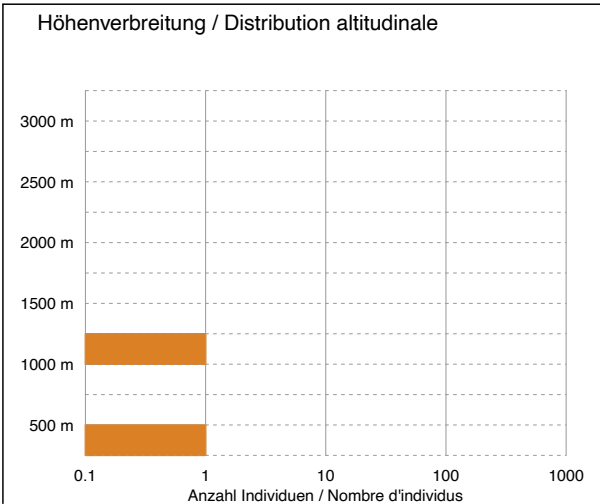
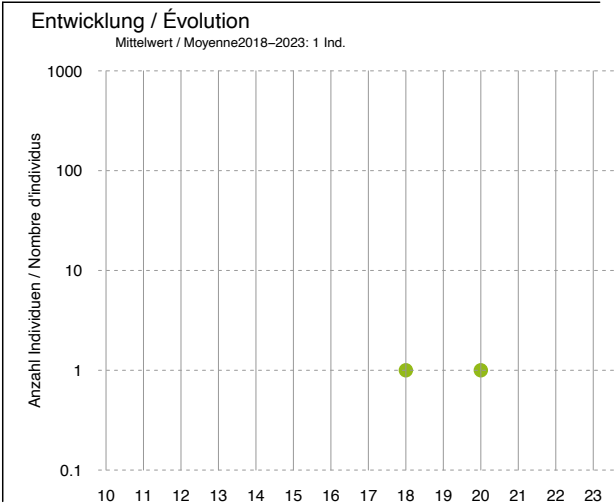
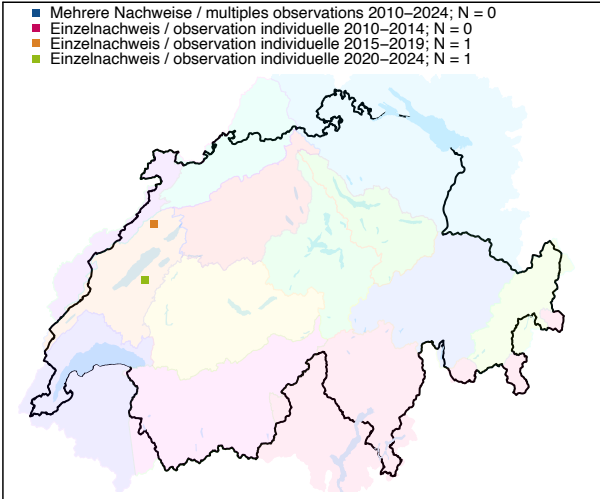


IBCH Taxa

Indikatorgruppe: 2

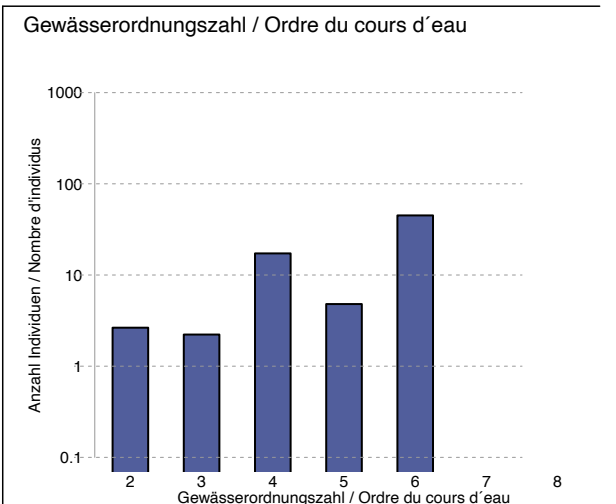
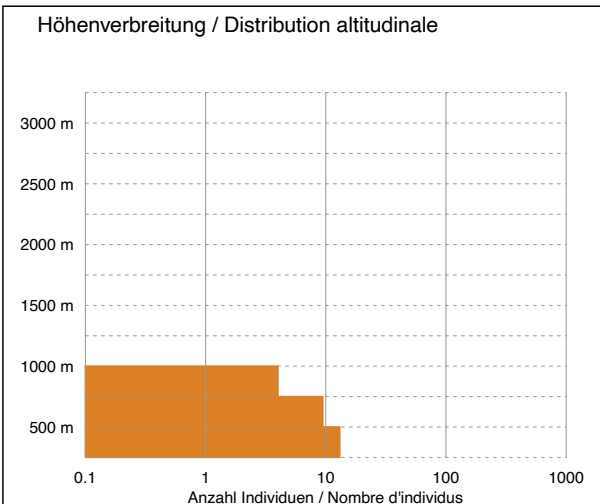
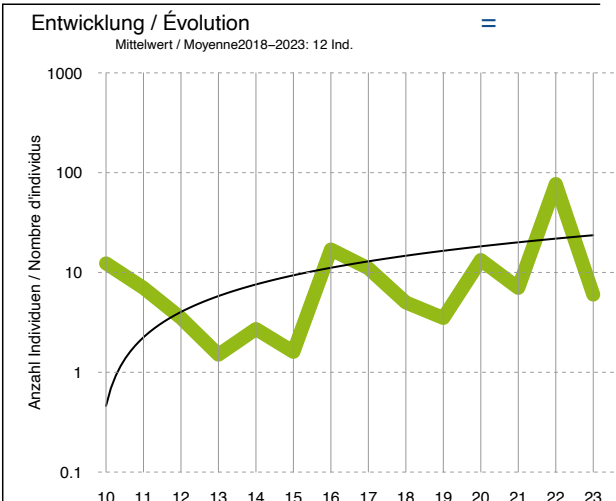
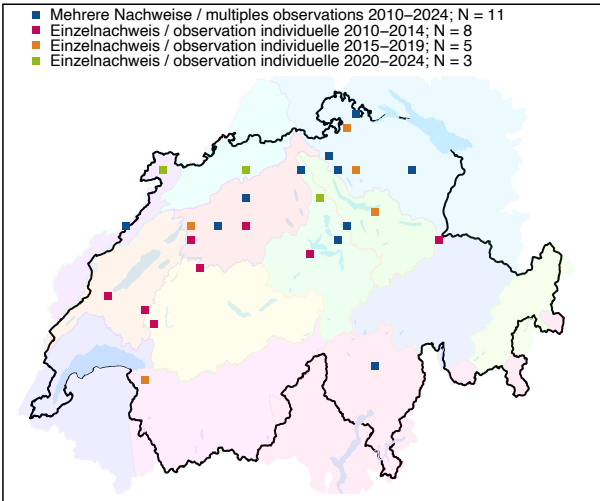


Indikatorgruppe: 0



Ancylidae (Tachet)

Indikatorgruppe: 2

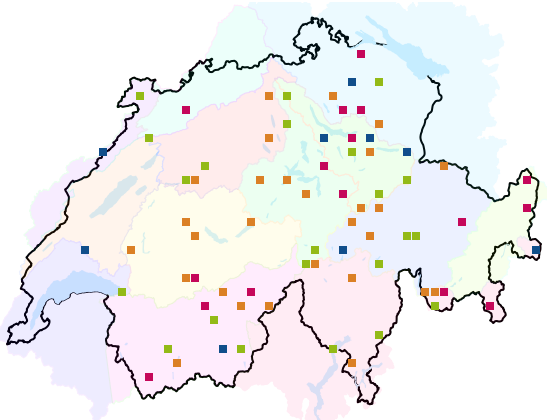


Anthomyiidae/Muscidae

Indikatorgruppe:

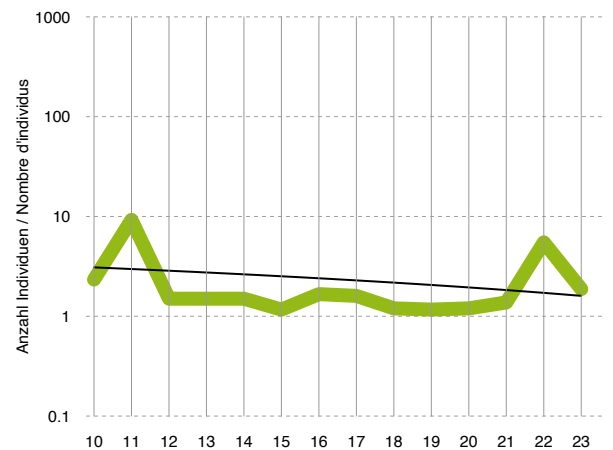
0

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- Einzelnachweis / observation individuelle 2010–2014; N = 16
- Einzelnachweis / observation individuelle 2015–2019; N = 28
- Einzelnachweis / observation individuelle 2020–2024; N = 22

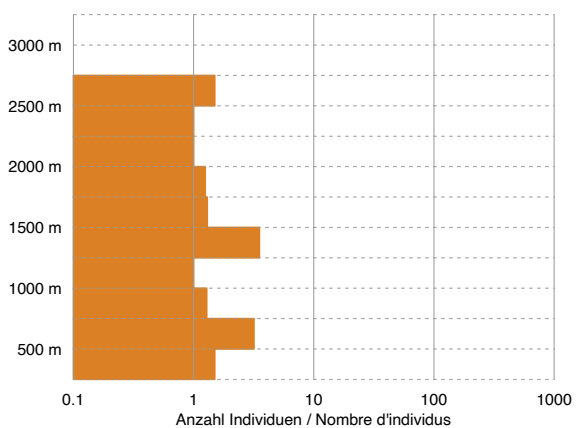


Entwicklung / Évolution

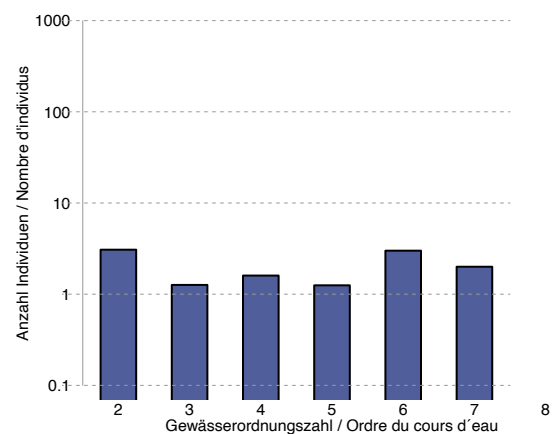
Mittelwert / Moyenne 2018–2023: 2 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

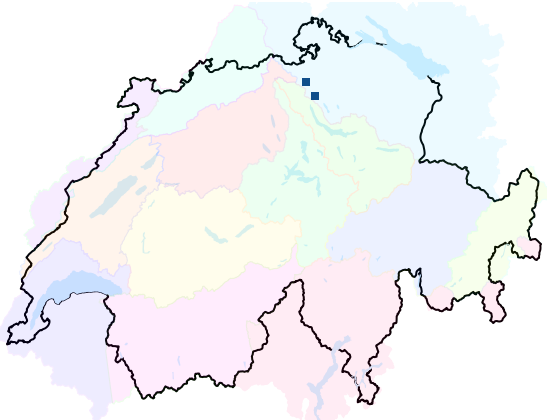


Aphelocheiridae

Indikatorgruppe:

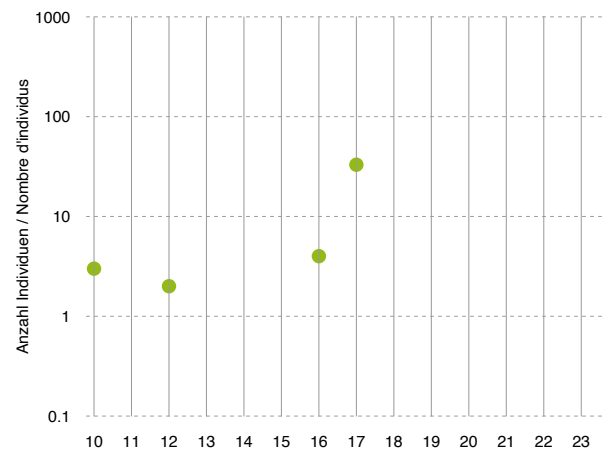
NA

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- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 0
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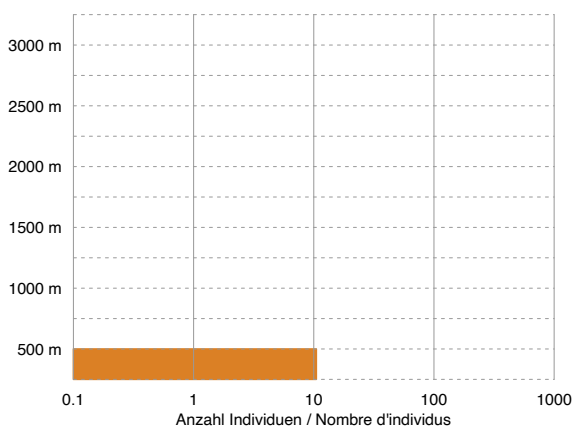


Entwicklung / Évolution

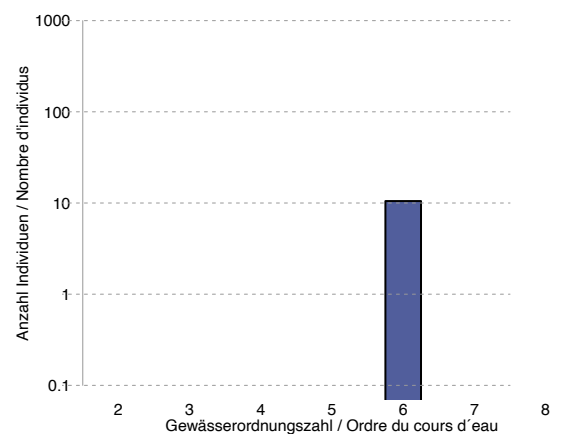
Mittelwert / Moyenne 2018–2023: 10 Ind.



Höhenverbreitung / Distribution altitudinale



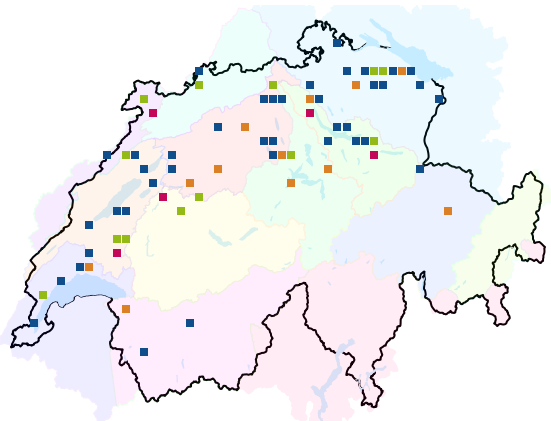
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe:

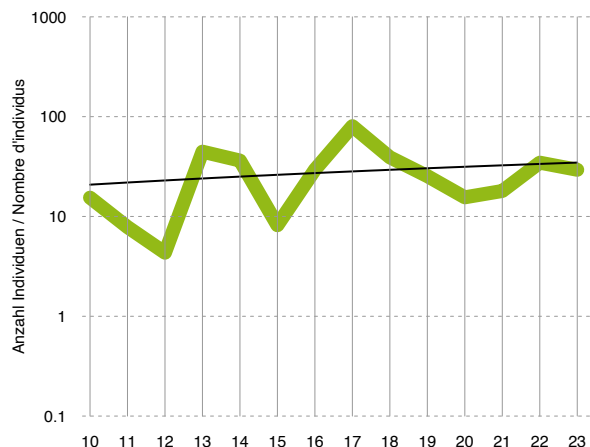
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- Mehrere Nachweise / multiples observations 2010–2024; N = 40
- Einzelnachweis / observation individuelle 2010–2014; N = 5
- Einzelnachweis / observation individuelle 2015–2019; N = 12
- Einzelnachweis / observation individuelle 2020–2024; N = 13

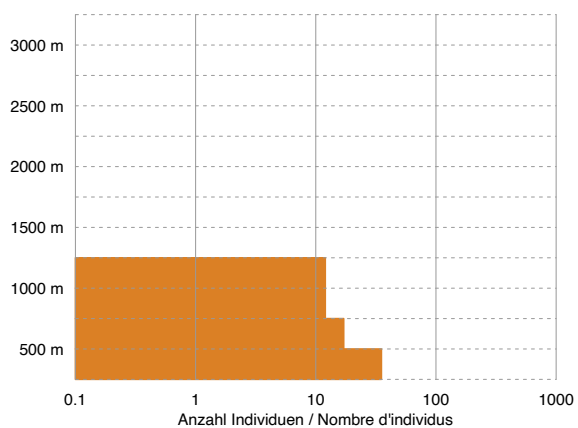


Entwicklung / Évolution

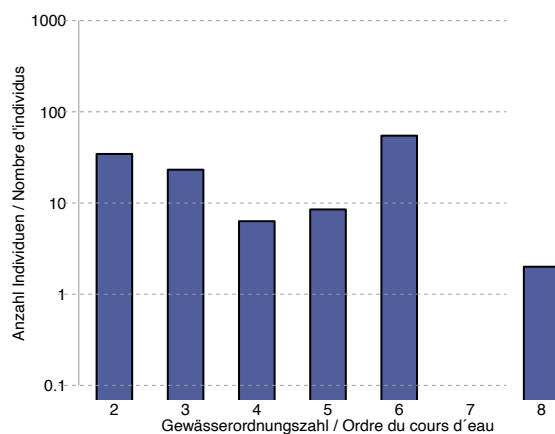
Mittelwert / Moyenne 2018–2023: 29 Ind.



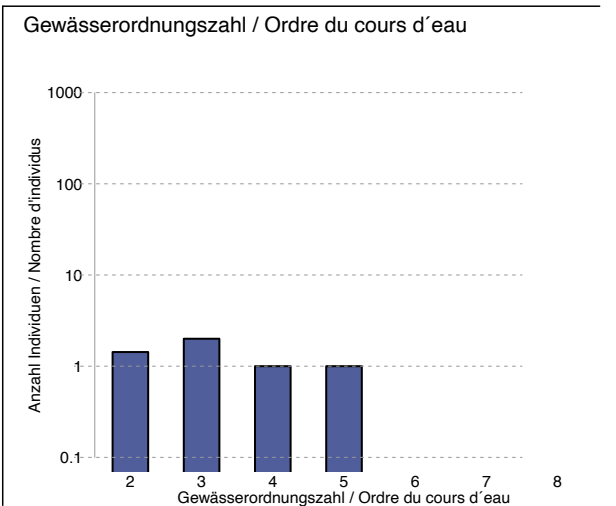
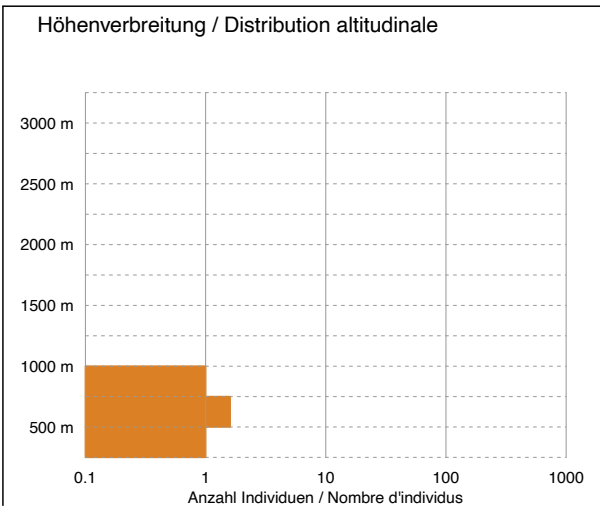
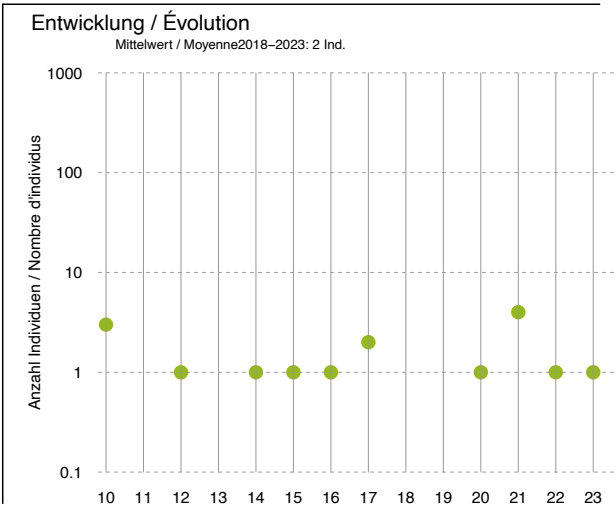
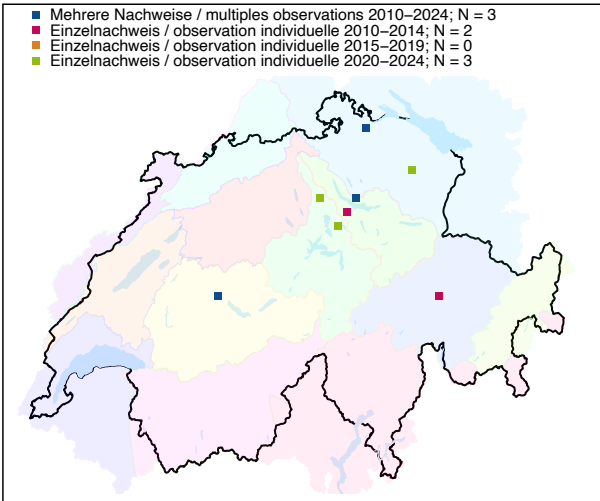
Höhenverbreitung / Distribution altitudinale



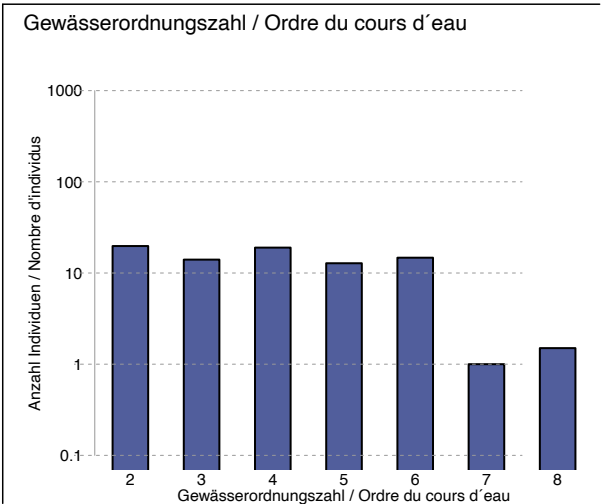
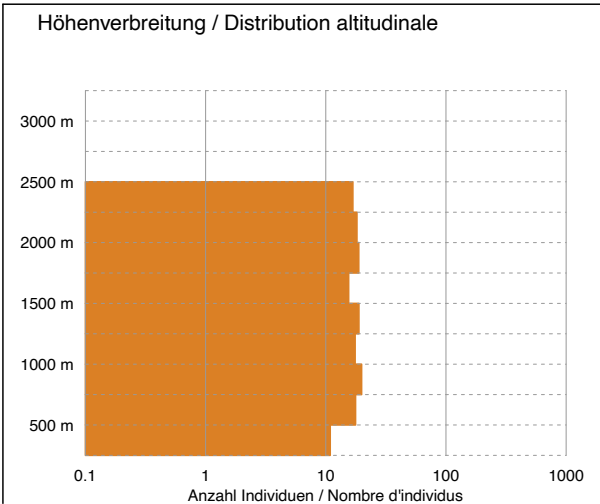
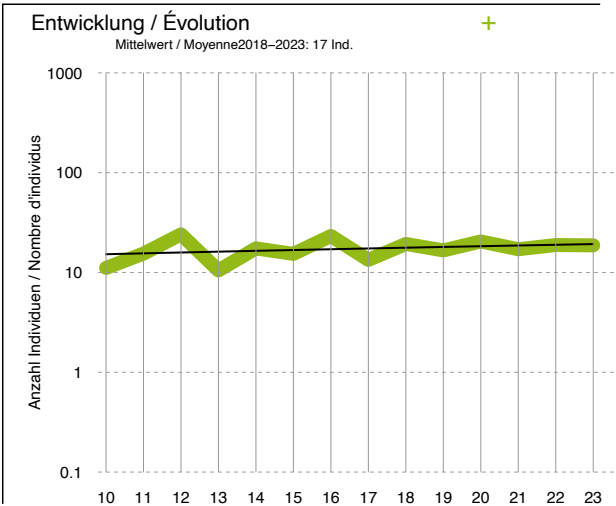
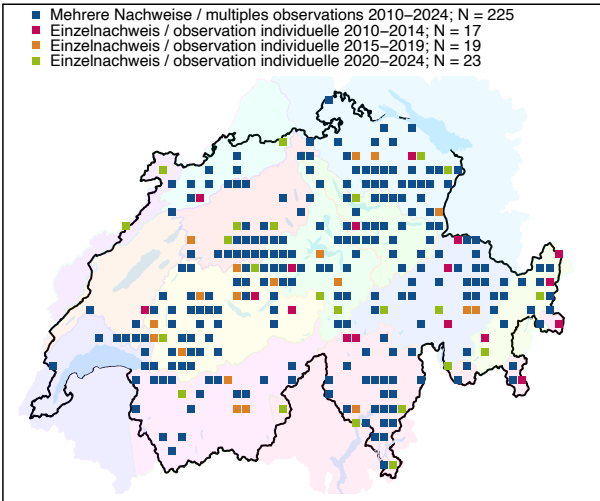
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe: 0



Indikatorgruppe: 0

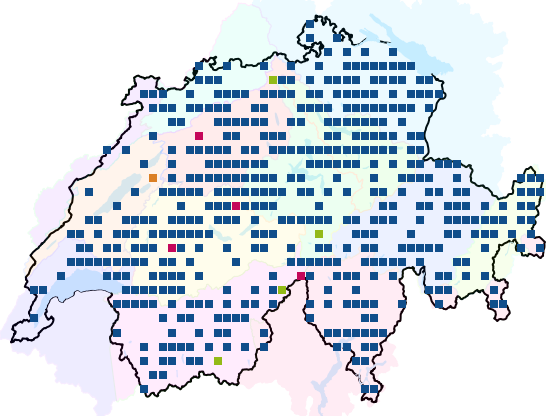


Baetidae

Indikatorgruppe:

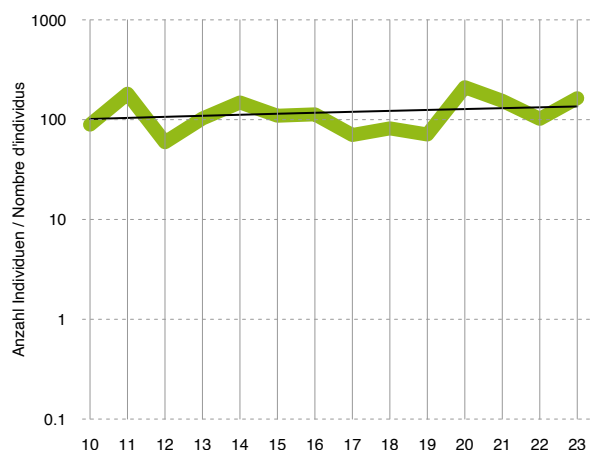
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 462
- Einzelnachweis / observation individuelle 2010–2014; N = 4
- Einzelnachweis / observation individuelle 2015–2019; N = 1
- Einzelnachweis / observation individuelle 2020–2024; N = 4

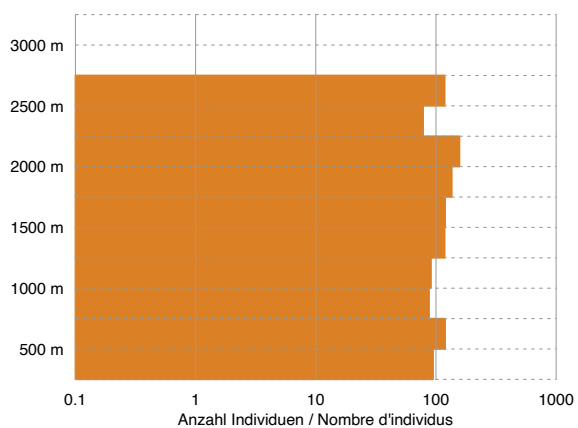


Entwicklung / Évolution

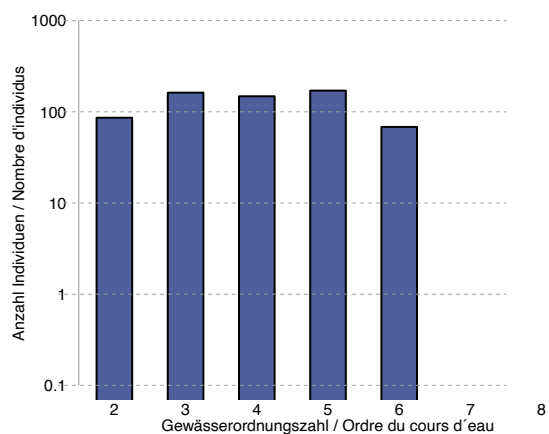
Mittelwert / Moyenne 2018–2023: 120 Ind.



Höhenverbreitung / Distribution altitudinale



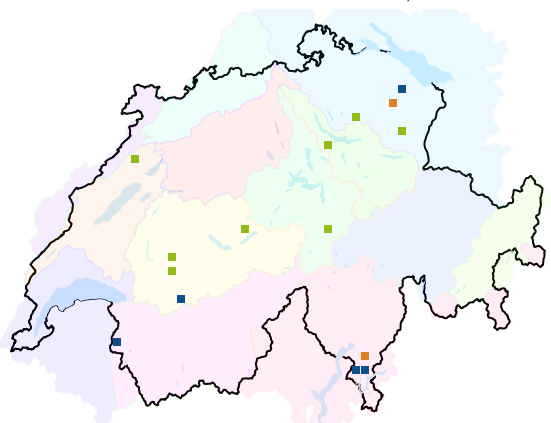
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe:

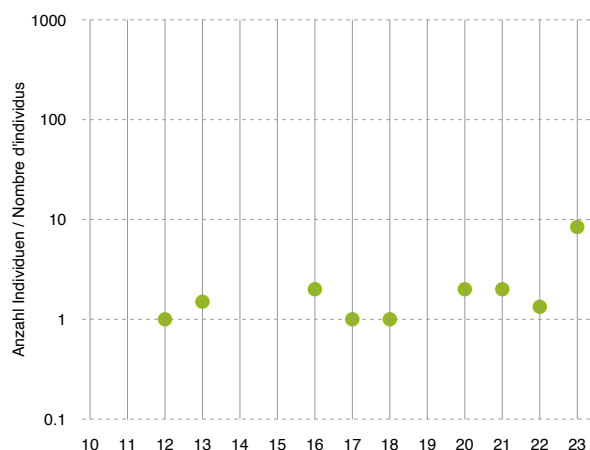
8

- Mehrere Nachweise / multiples observations 2010–2024; N = 5
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 2
- Einzelnachweis / observation individuelle 2020–2024; N = 8

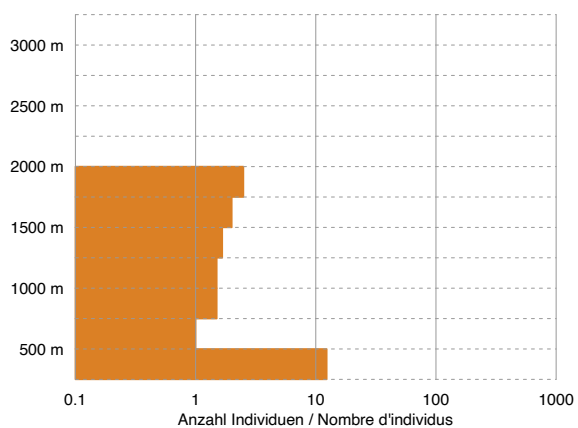


Entwicklung / Évolution

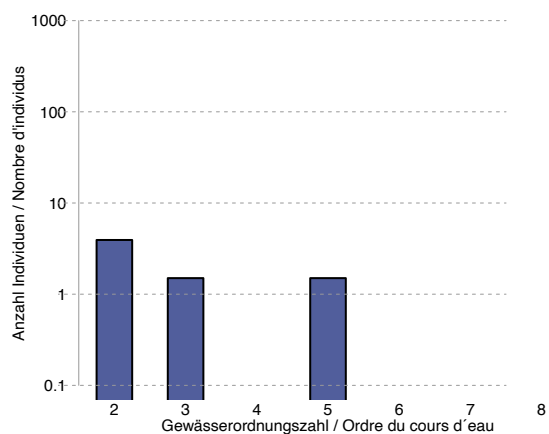
Mittelwert / Moyenne 2018–2023: 3 Ind.



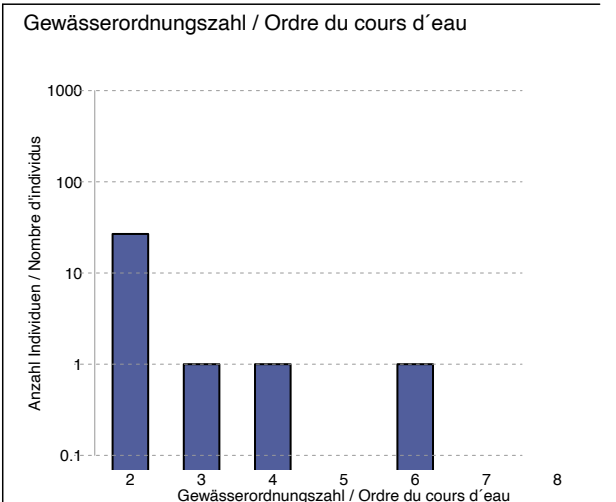
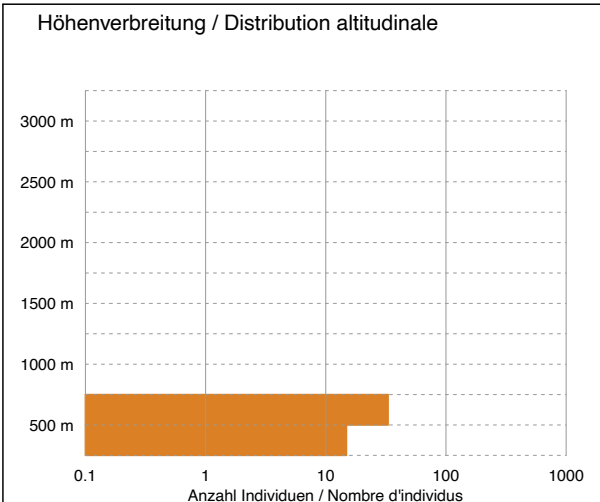
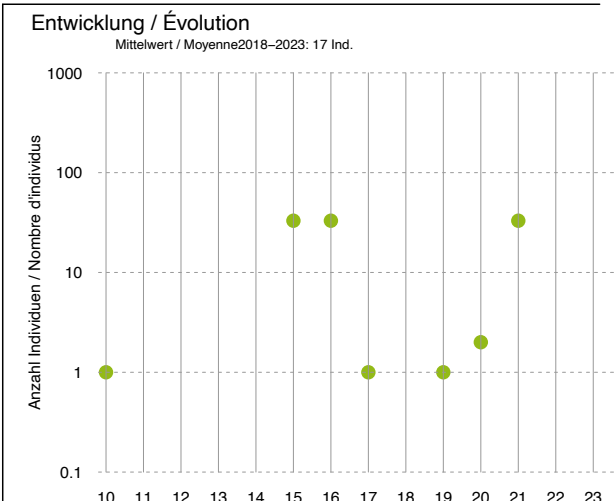
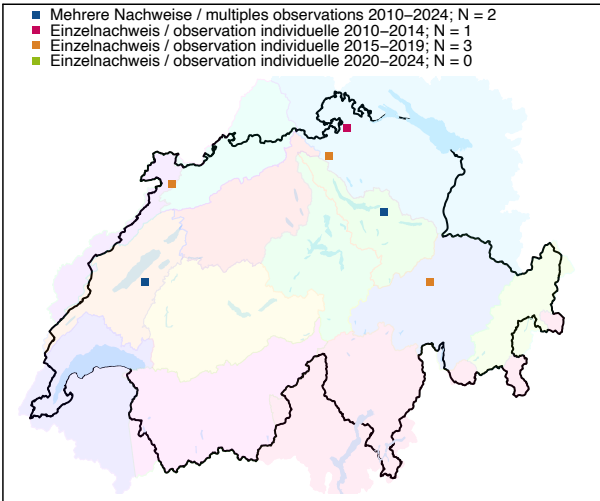
Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

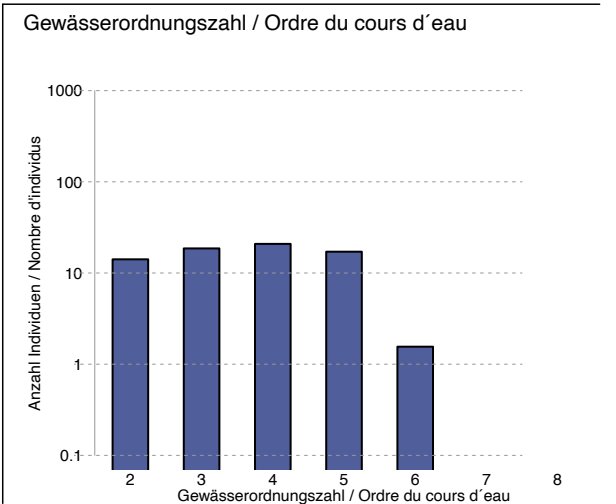
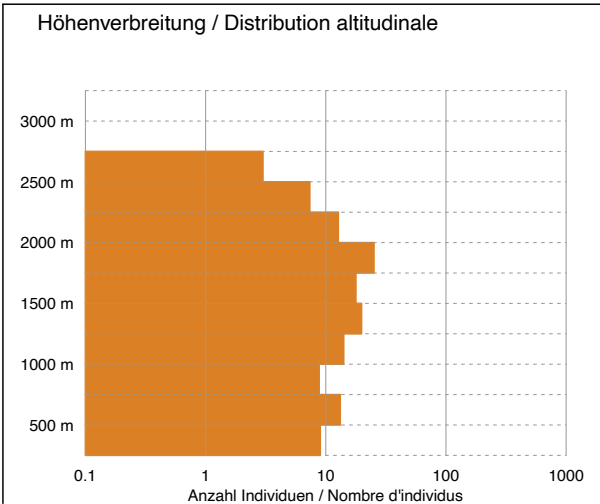
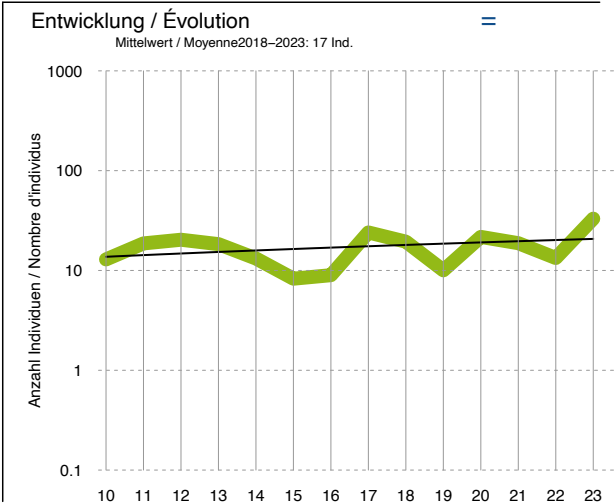
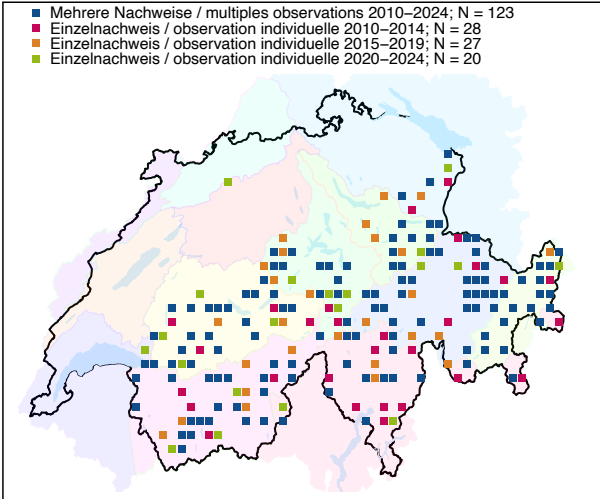


Indikatorgruppe: NA



Blephariceridae

Indikatorgruppe: 0

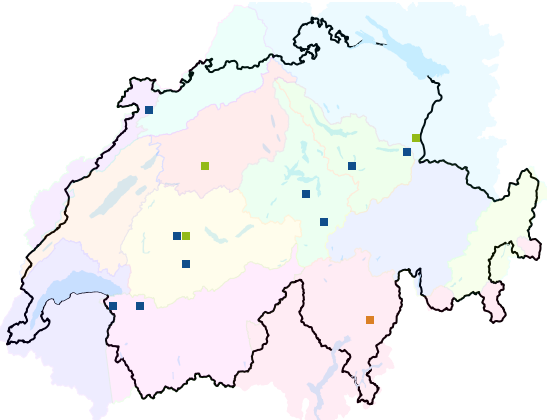


Brachycentridae

Indikatorgruppe:

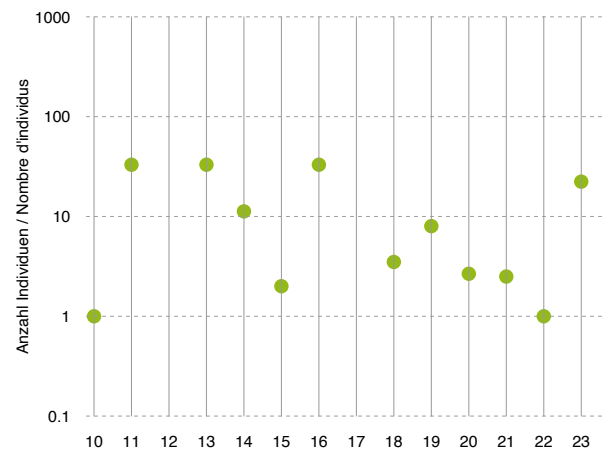
8

- Mehrere Nachweise / multiples observations 2010–2024; N = 9
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 1
- Einzelnachweis / observation individuelle 2020–2024; N = 3

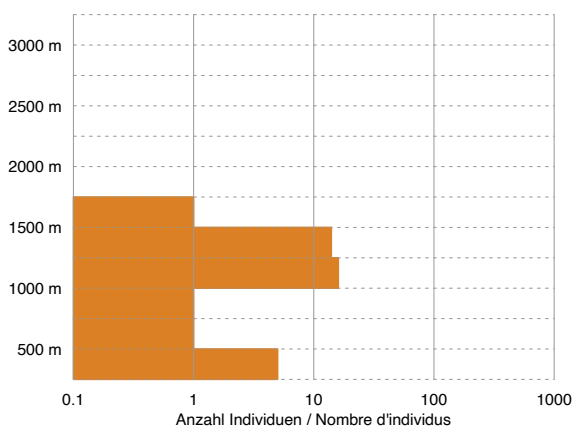


Entwicklung / Évolution

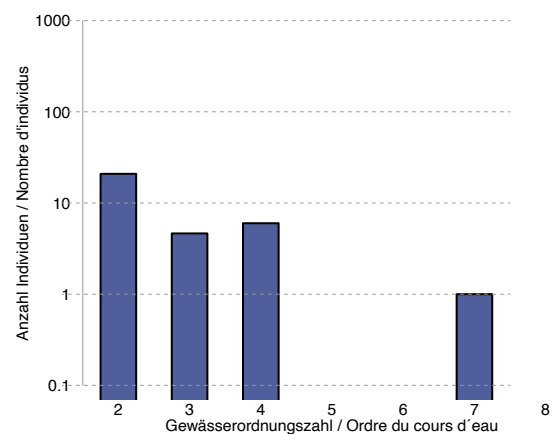
Mittelwert / Moyenne 2018–2023: 11 Ind.



Höhenverbreitung / Distribution altitudinale



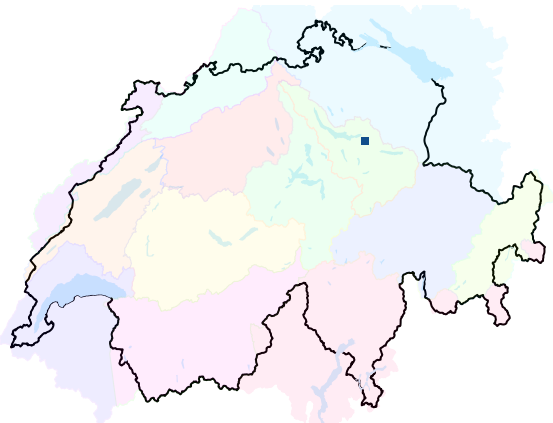
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe:

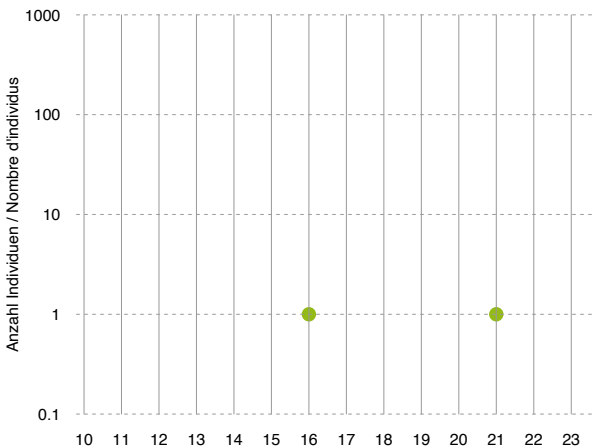
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 1
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 0

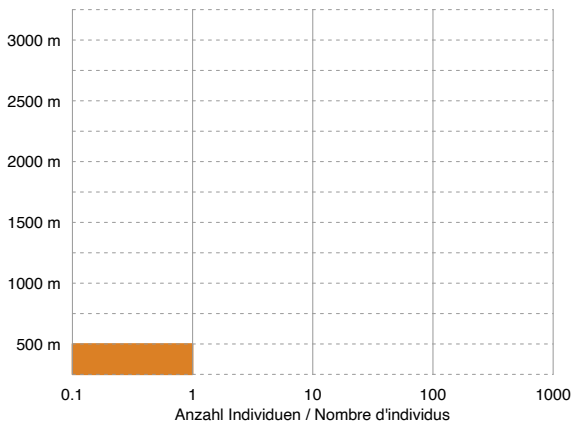


Entwicklung / Évolution

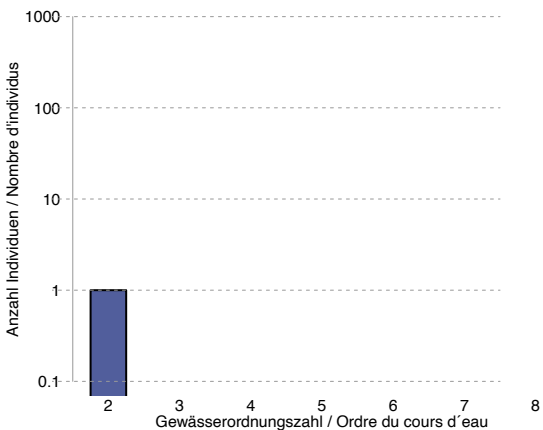
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale



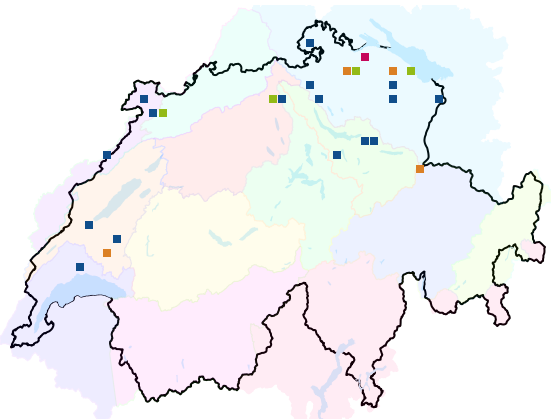
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe:

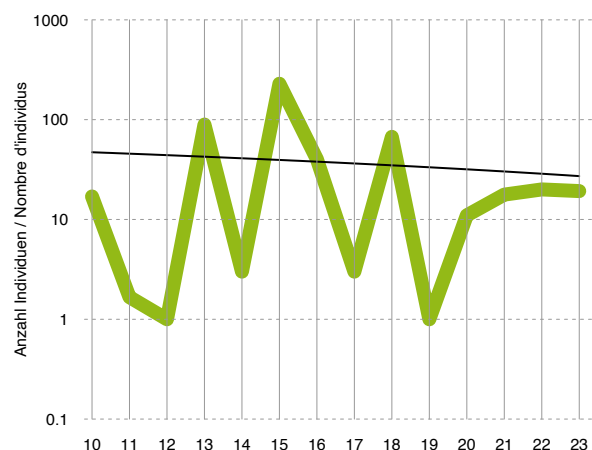
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 16
- Einzelnachweis / observation individuelle 2010–2014; N = 1
- Einzelnachweis / observation individuelle 2015–2019; N = 4
- Einzelnachweis / observation individuelle 2020–2024; N = 4

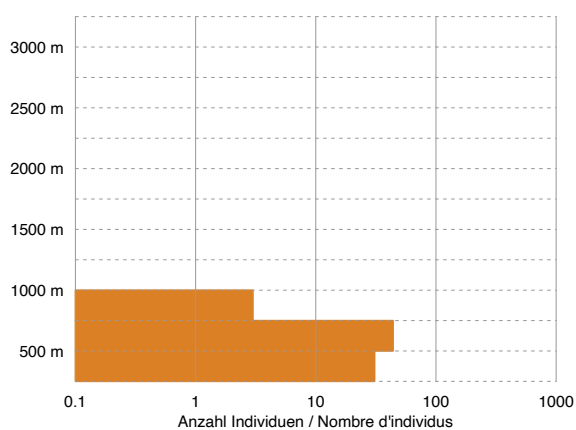


Entwicklung / Évolution

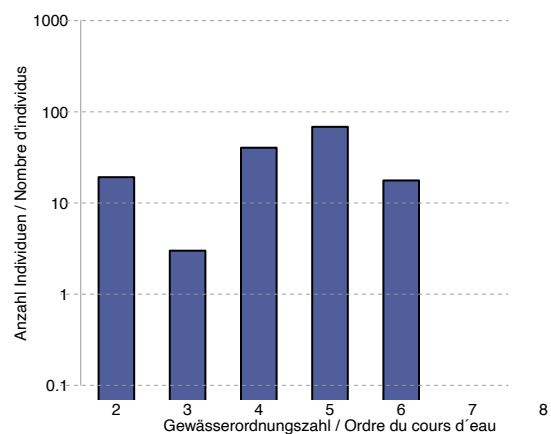
Mittelwert / Moyenne 2018–2023: 32 Ind.



Höhenverbreitung / Distribution altitudinale

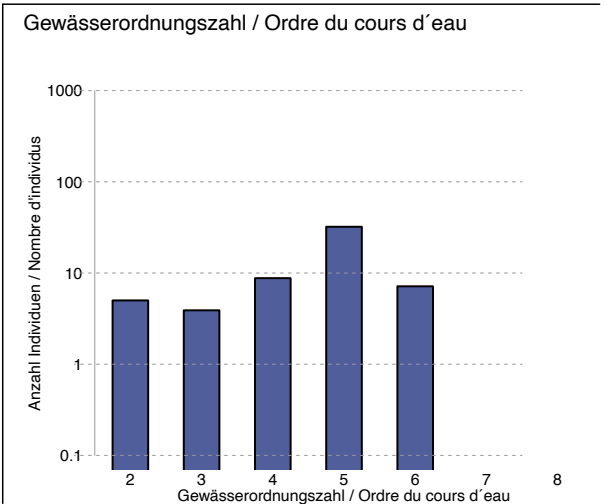
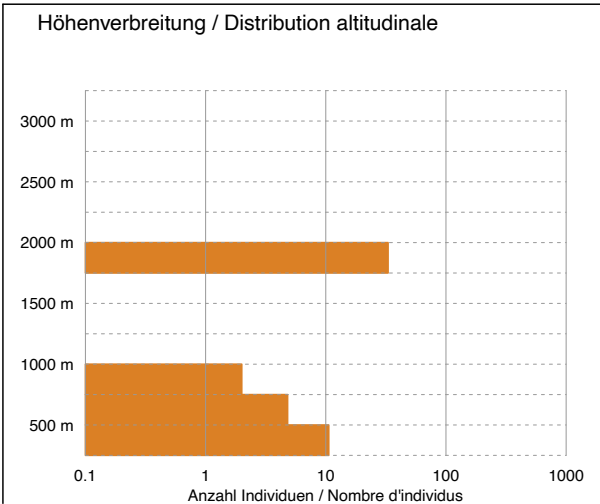
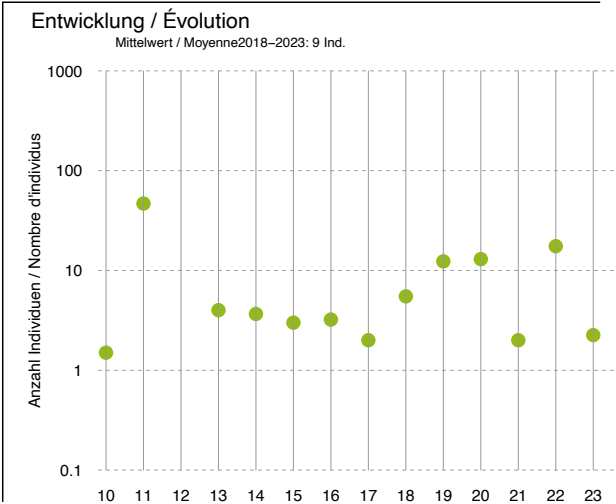
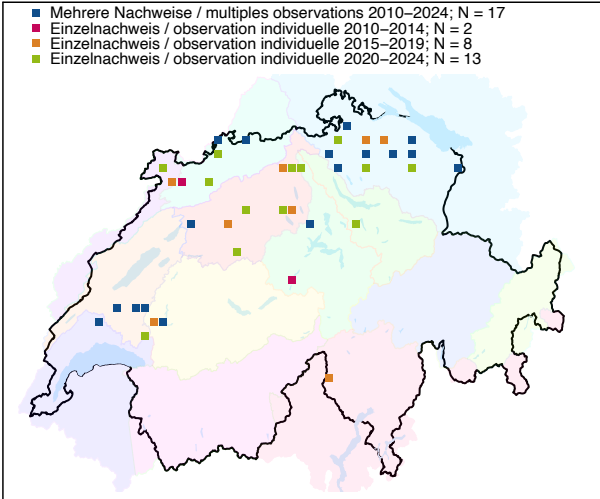


Gewässerordnungszahl / Ordre du cours d'eau



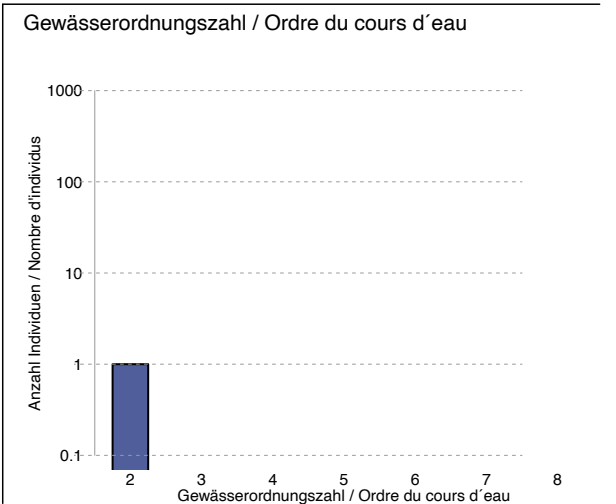
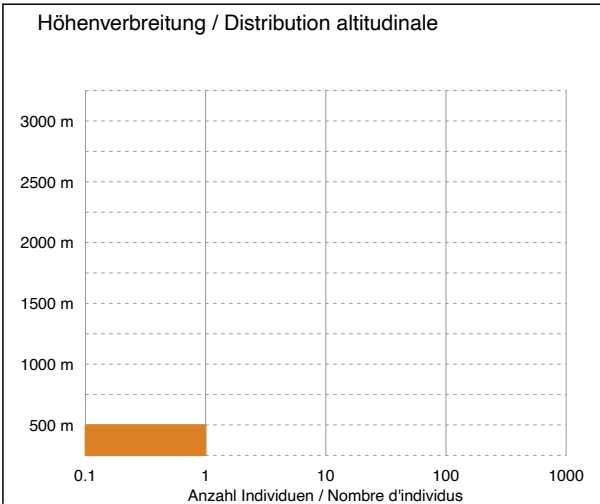
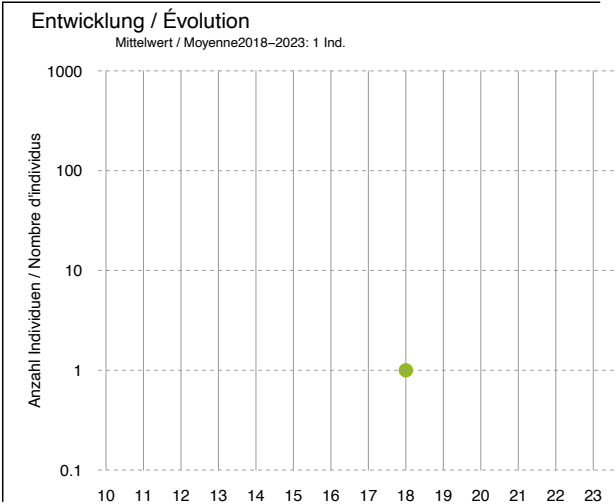
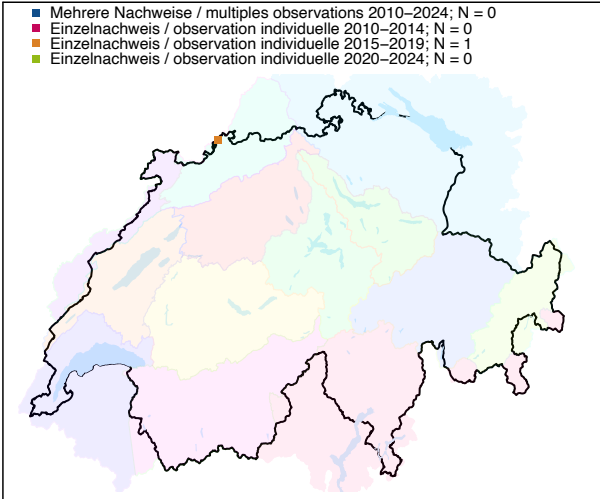
Calopterygidae

Indikatorgruppe: 0



Cambaridae

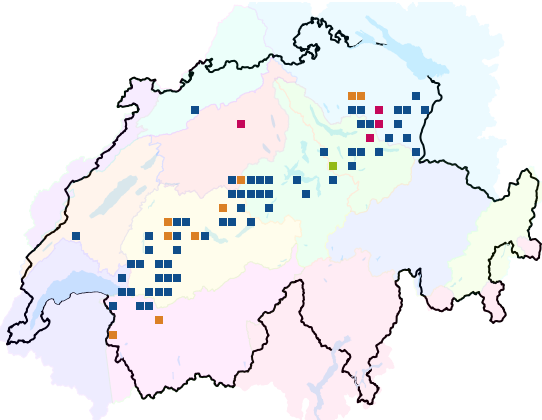
Indikatorgruppe: NA



Indikatorgruppe:

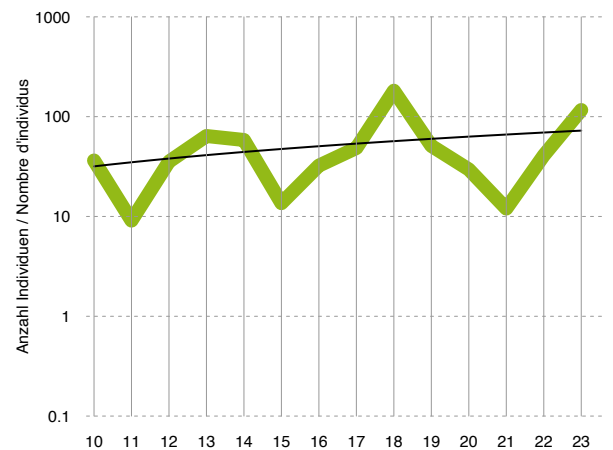
8

- Mehrere Nachweise / multiples observations 2010–2024; N = 59
- Einzelnachweis / observation individuelle 2010–2014; N = 4
- Einzelnachweis / observation individuelle 2015–2019; N = 9
- Einzelnachweis / observation individuelle 2020–2024; N = 1

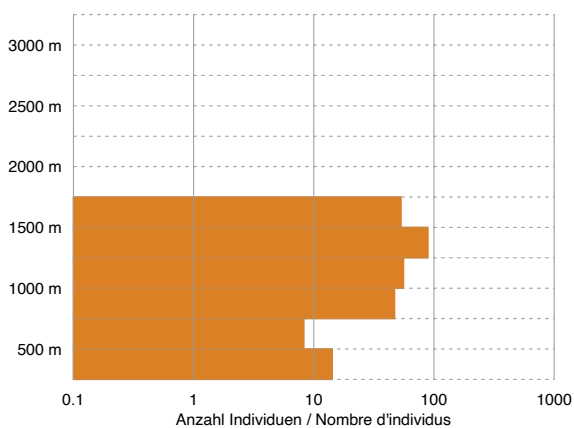


Entwicklung / Évolution

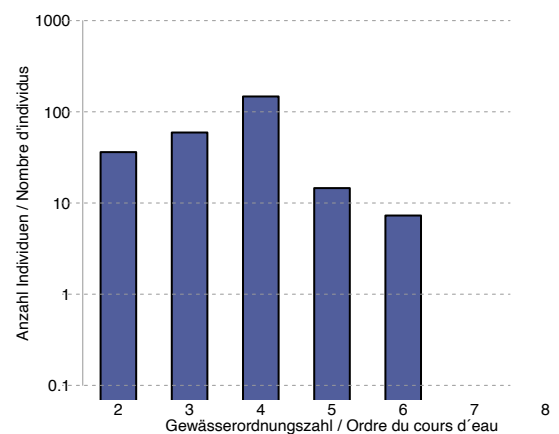
Mittelwert / Moyenne 2018–2023: 52 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

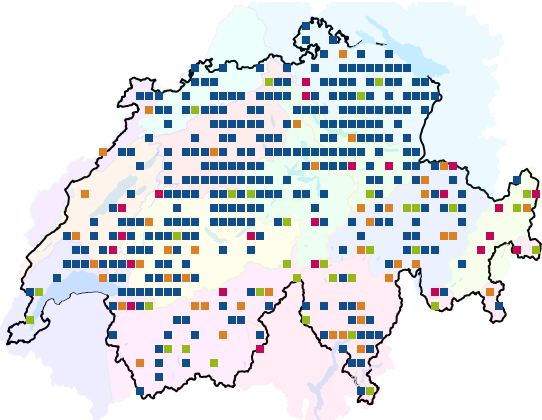


Ceratopogonidae

Indikatorgruppe:

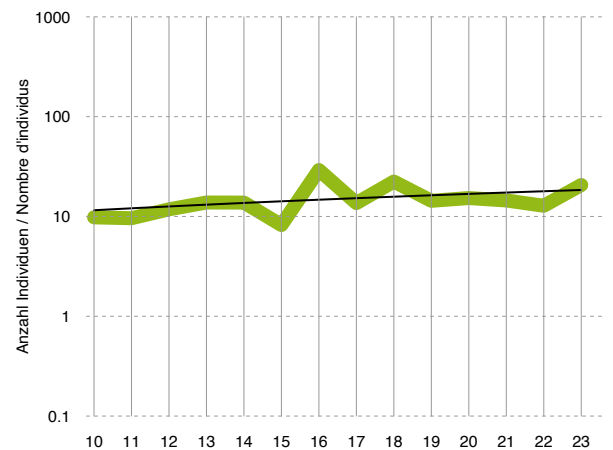
0

- Mehrere Nachweise / multiples observations 2010–2024; N = 302
- Einzelnachweis / observation individuelle 2010–2014; N = 23
- Einzelnachweis / observation individuelle 2015–2019; N = 43
- Einzelnachweis / observation individuelle 2020–2024; N = 33

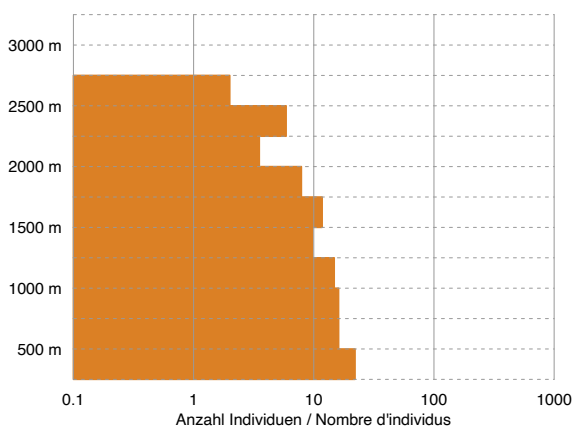


Entwicklung / Évolution

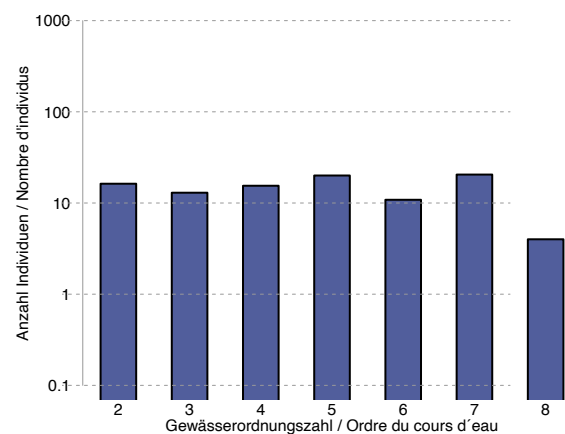
Mittelwert / Moyenne 2018–2023: 15 Ind.



Höhenverbreitung / Distribution altitudinale

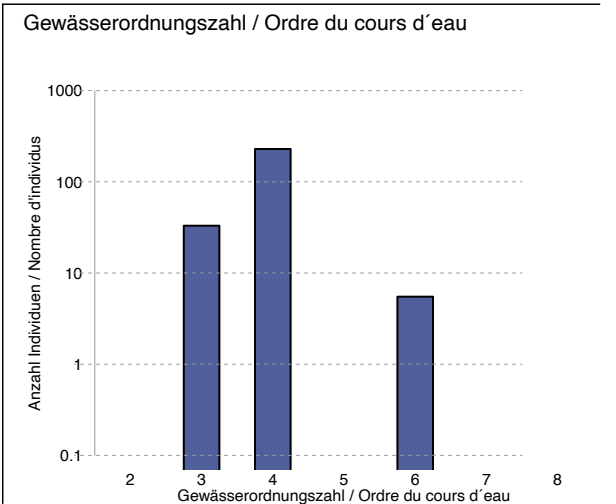
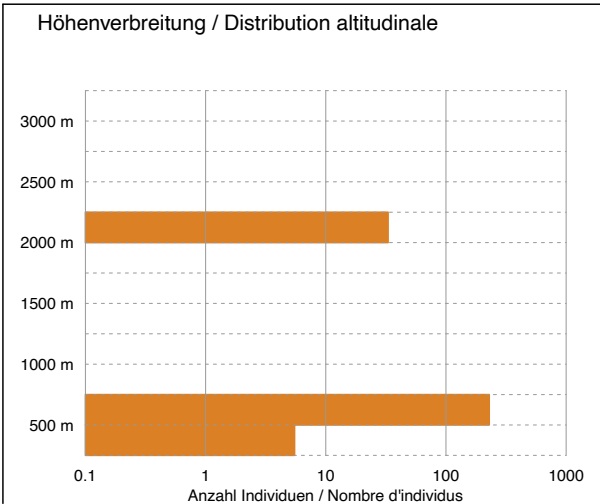
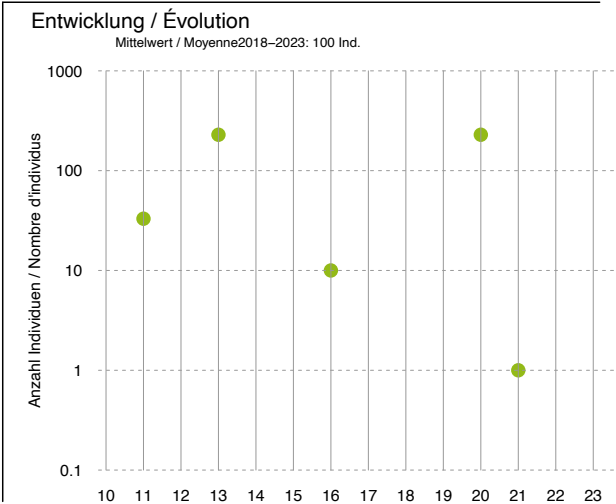
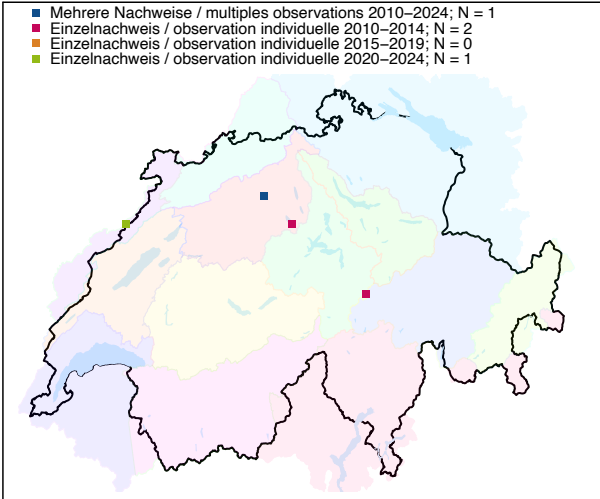


Gewässerordnungszahl / Ordre du cours d'eau



Chaoboridae

Indikatorgruppe: NA

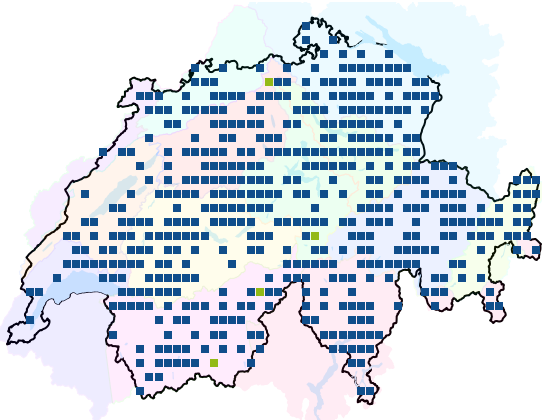


Chironomidae

Indikatorgruppe:

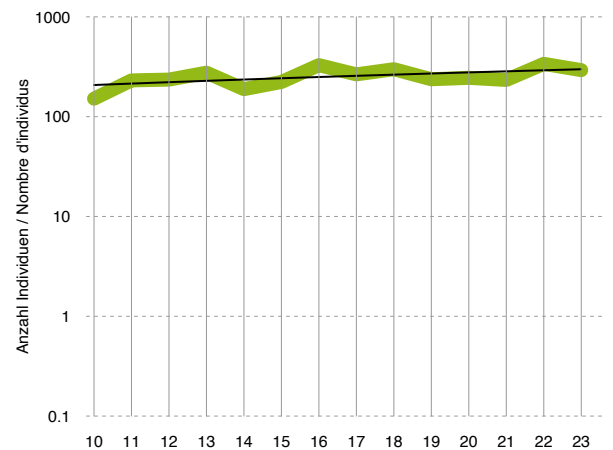
1

- Mehrere Nachweise / multiples observations 2010–2024; N = 489
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 4

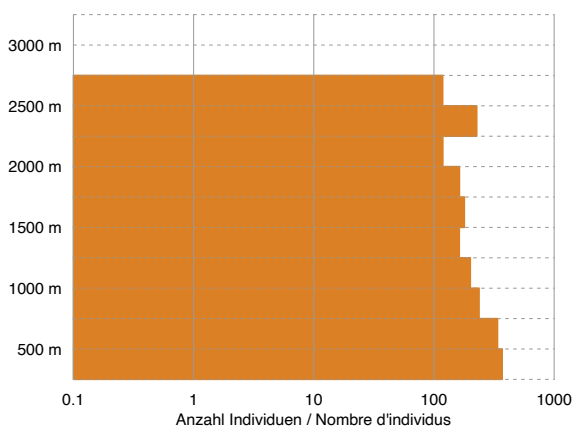


Entwicklung / Évolution

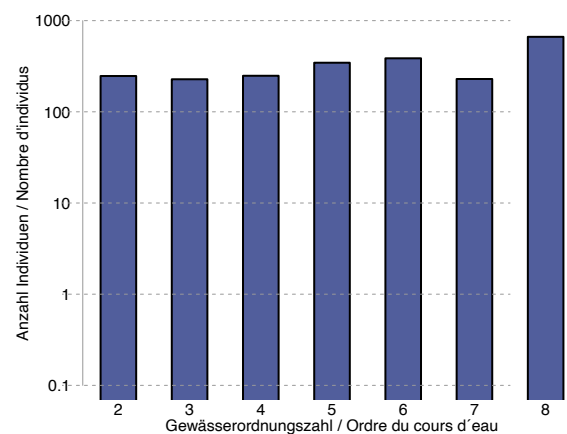
Mittelwert / Moyenne 2018–2023: 253 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

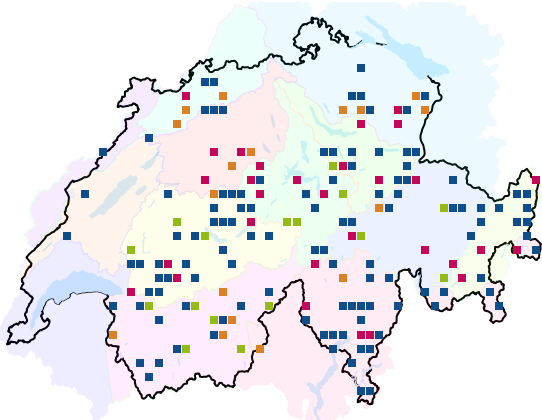


Chloroperlidae

Indikatorgruppe:

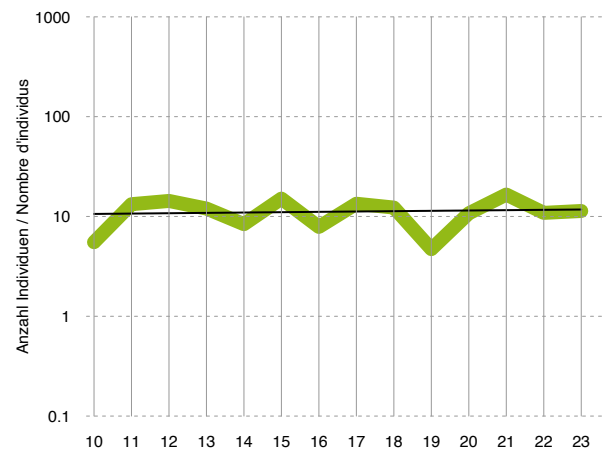
9

- Mehrere Nachweise / multiples observations 2010–2024; N = 114
- Einzelnachweis / observation individuelle 2010–2014; N = 30
- Einzelnachweis / observation individuelle 2015–2019; N = 17
- Einzelnachweis / observation individuelle 2020–2024; N = 16

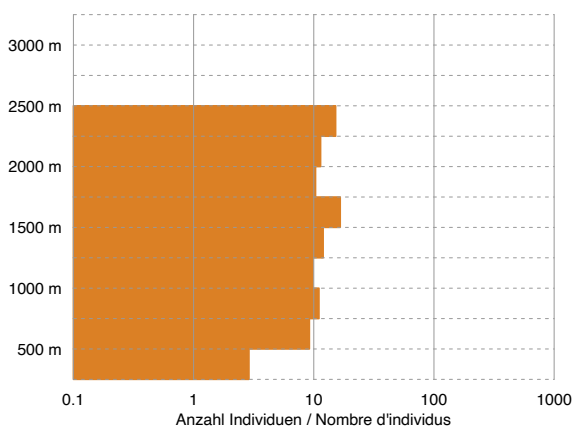


Entwicklung / Évolution

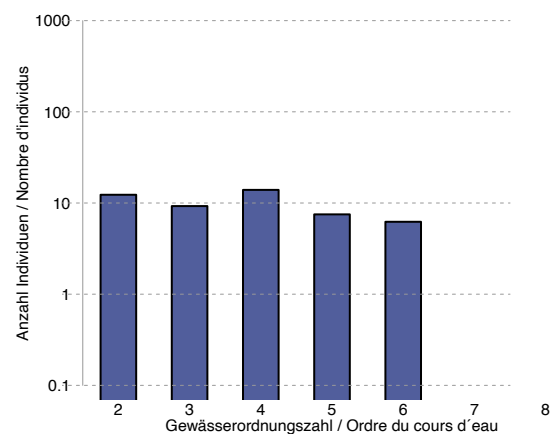
Mittelwert / Moyenne 2018–2023: 11 Ind.



Höhenverbreitung / Distribution altitudinale

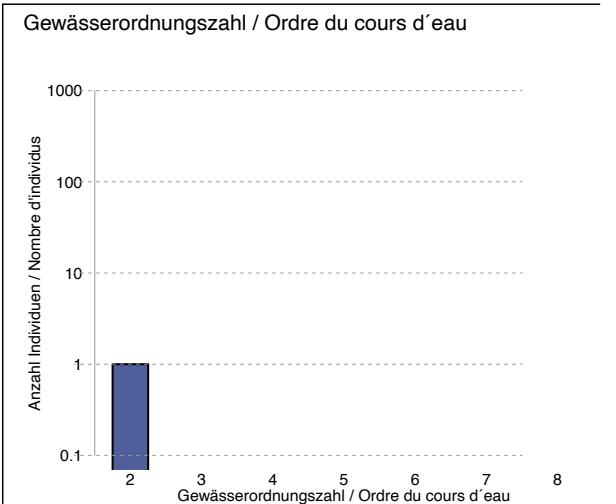
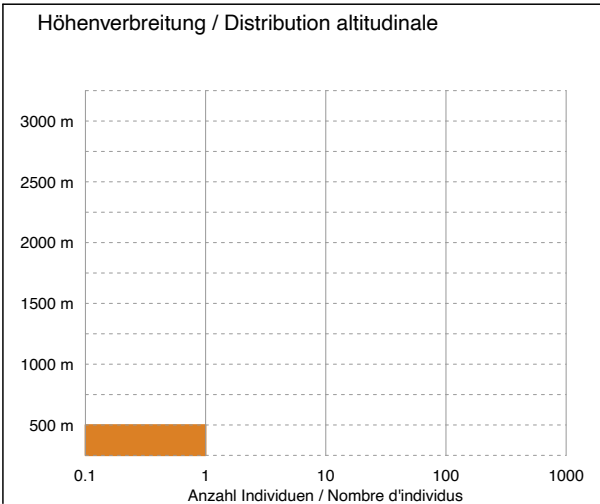
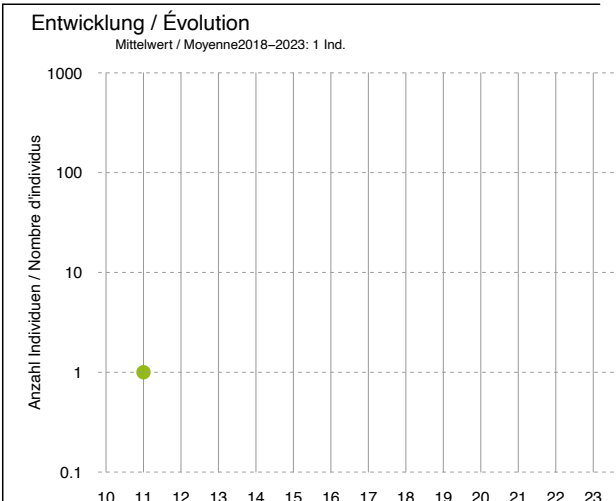
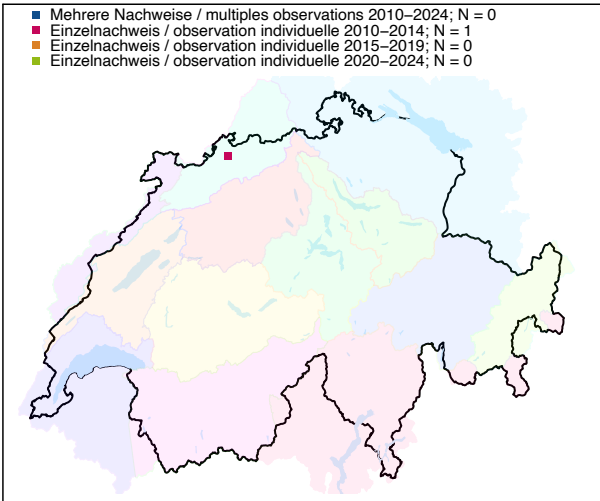


Gewässerordnungszahl / Ordre du cours d'eau

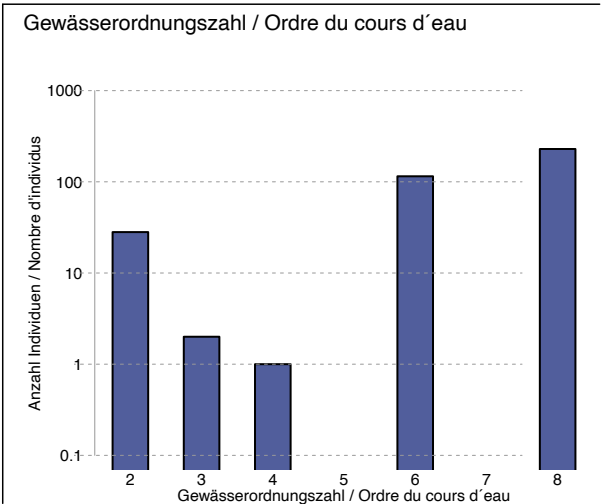
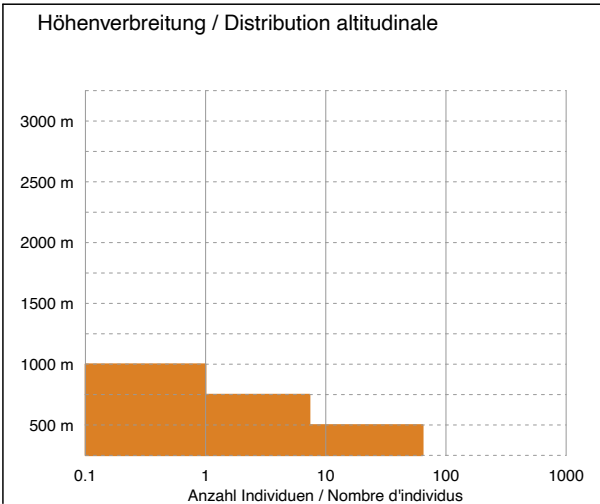
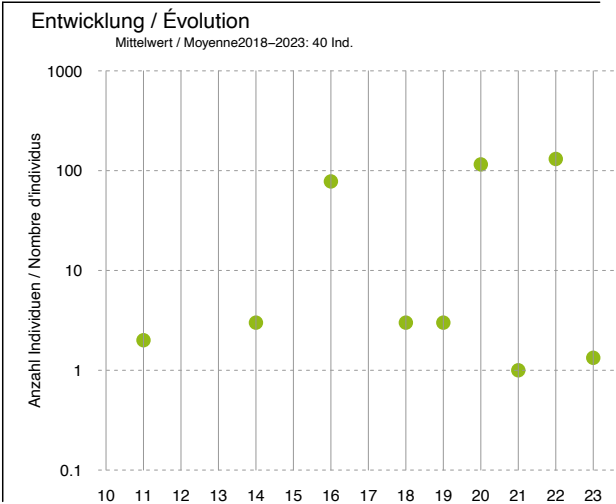
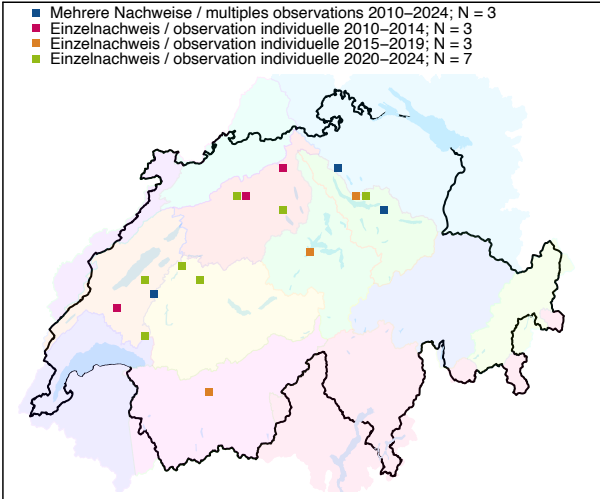


Chrysomelidae

Indikatorgruppe: NA

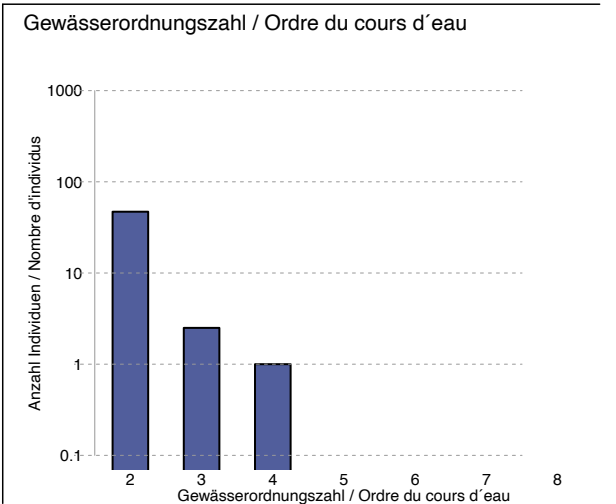
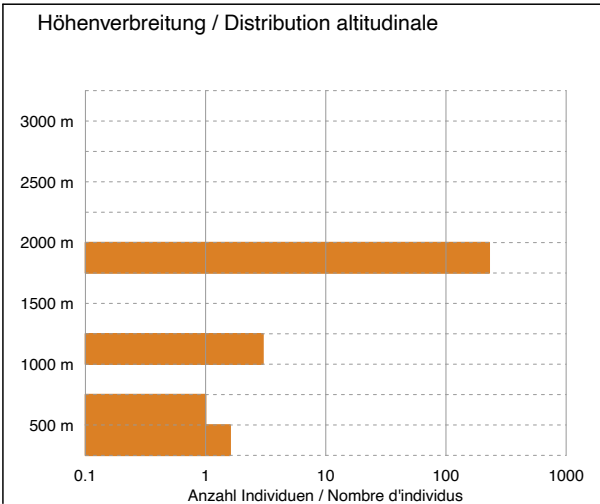
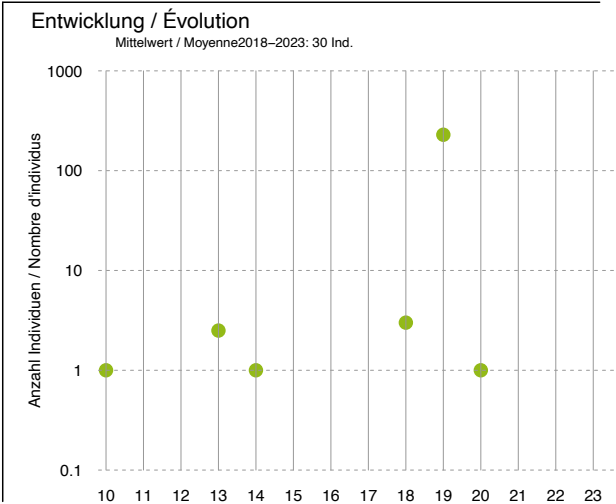
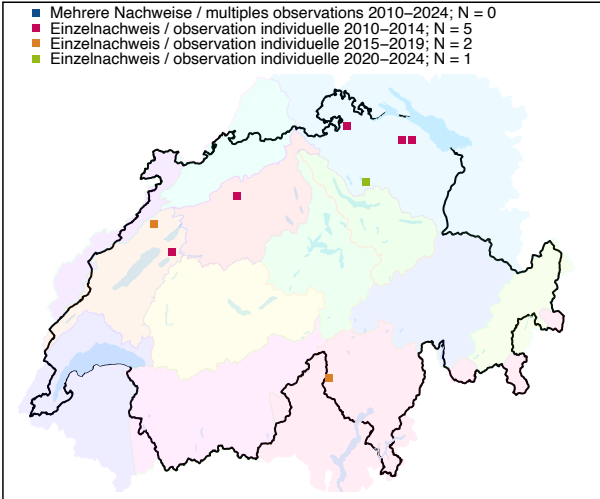


Indikatorgruppe: NA



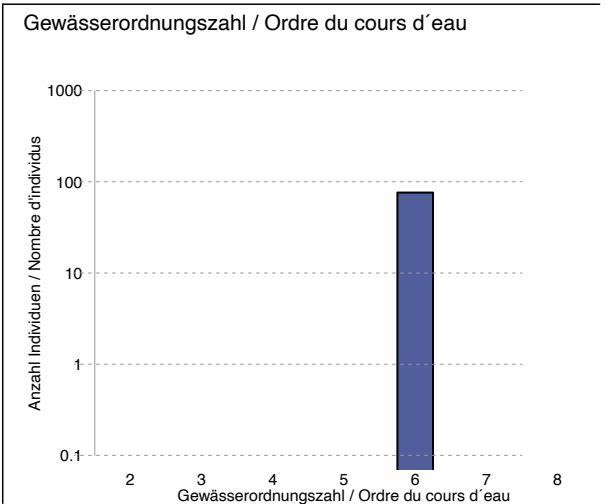
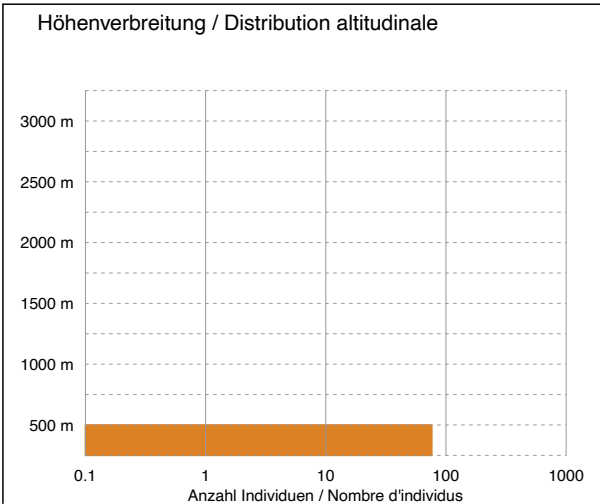
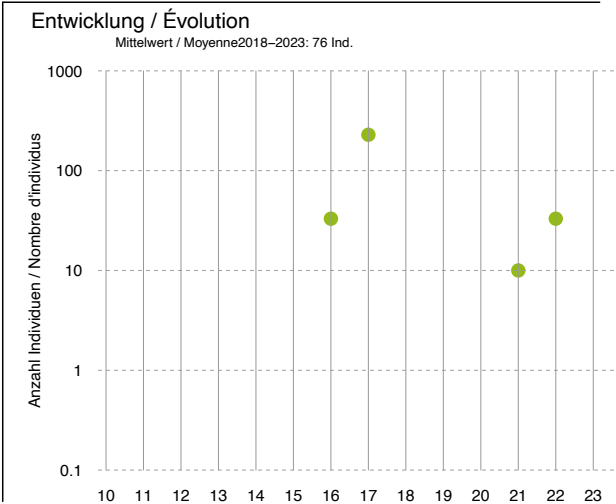
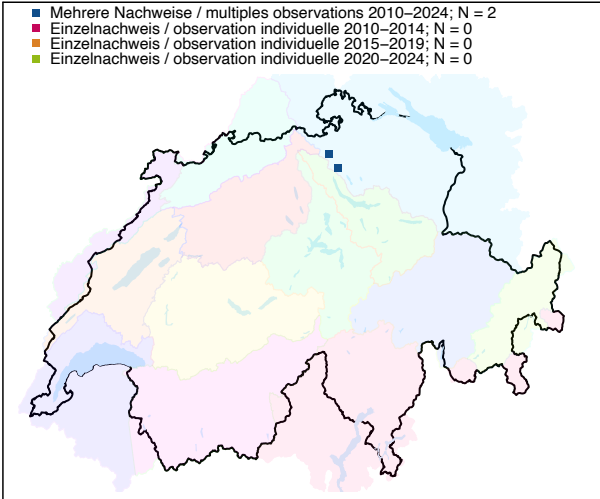
Coenagrionidae

Indikatorgruppe: NA



Corbiculidae

Indikatorgruppe: NA

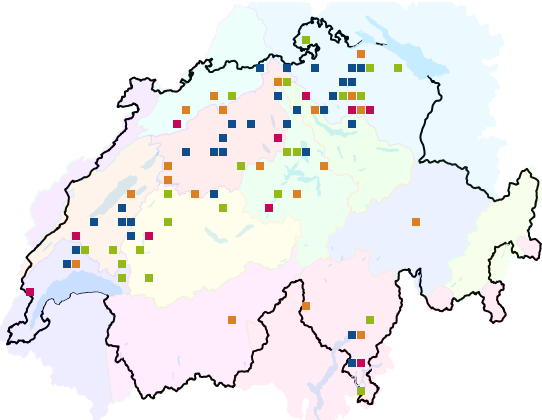


Cordulegastridae

Indikatorgruppe:

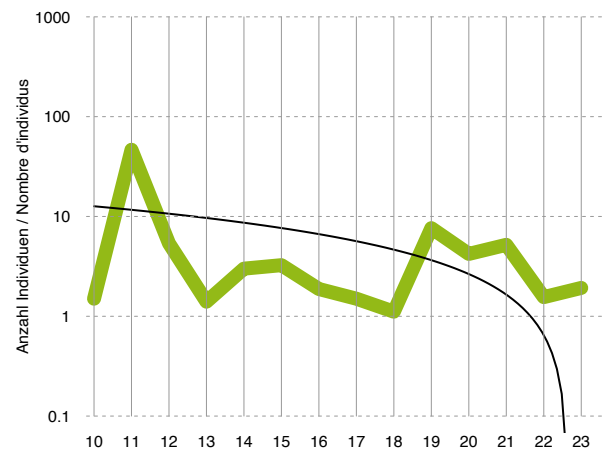
0

- Mehrere Nachweise / multiples observations 2010–2024; N = 30
- Einzelnachweis / observation individuelle 2010–2014; N = 10
- Einzelnachweis / observation individuelle 2015–2019; N = 20
- Einzelnachweis / observation individuelle 2020–2024; N = 22

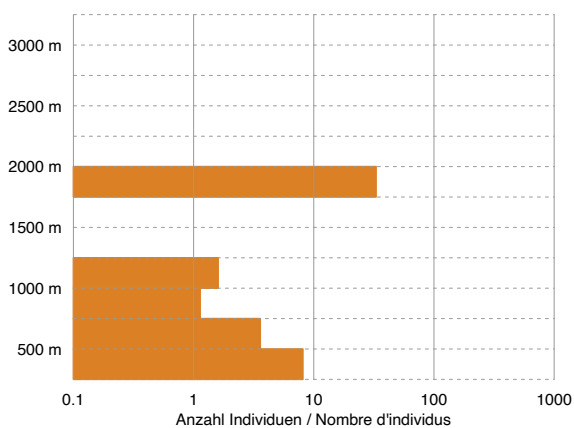


Entwicklung / Évolution

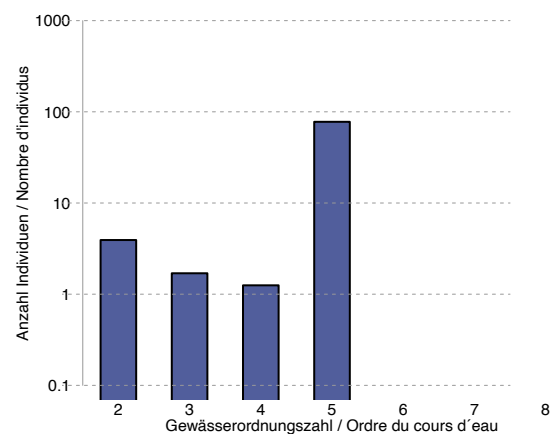
Mittelwert / Moyenne 2018–2023: 5 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

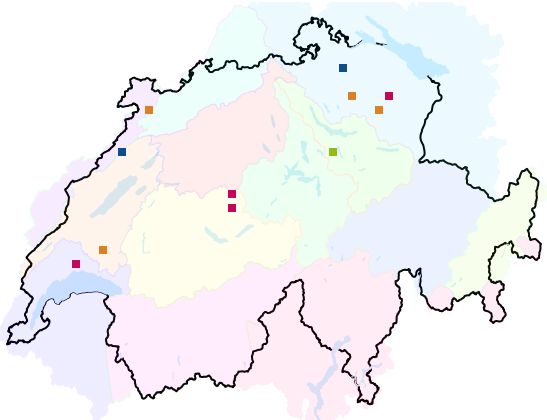


Corixidae

Indikatorgruppe:

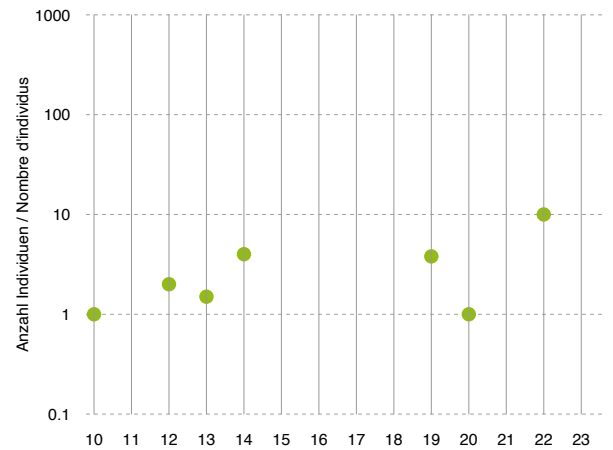
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 2
- Einzelnachweis / observation individuelle 2010–2014; N = 4
- Einzelnachweis / observation individuelle 2015–2019; N = 4
- Einzelnachweis / observation individuelle 2020–2024; N = 1

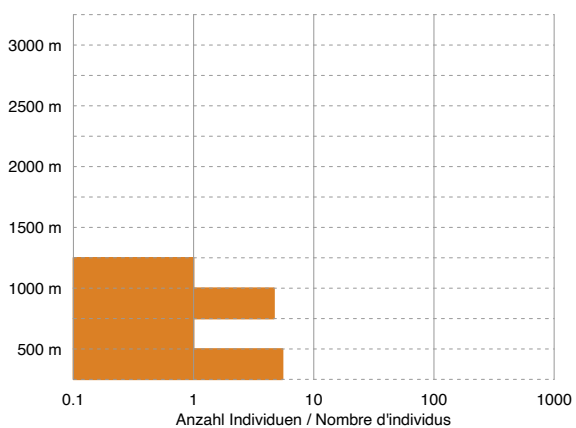


Entwicklung / Évolution

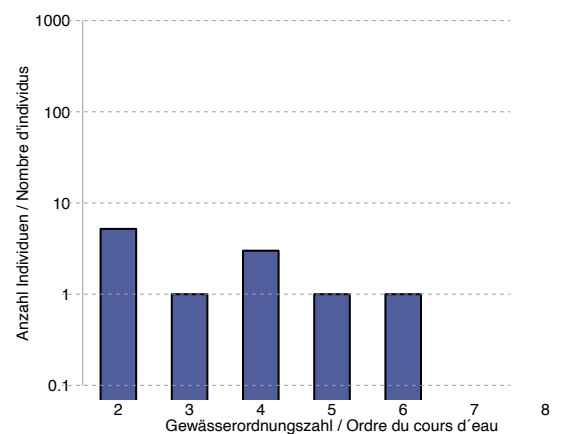
Mittelwert / Moyenne 2018–2023: 3 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

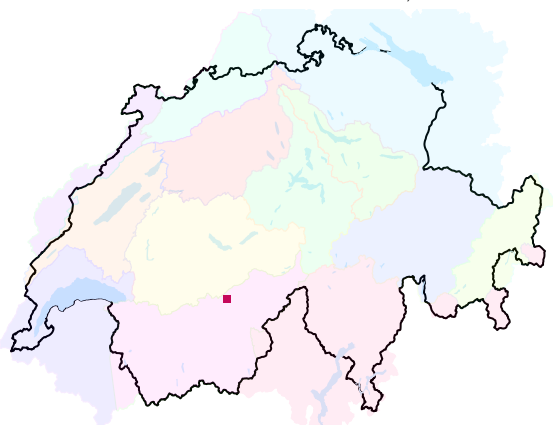


Culicidae

Indikatorgruppe:

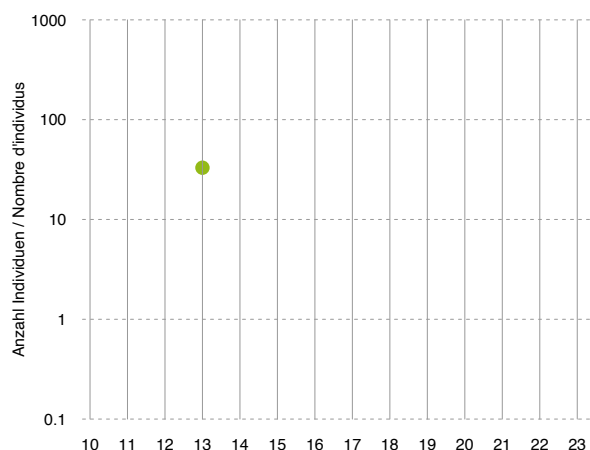
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 1
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 0

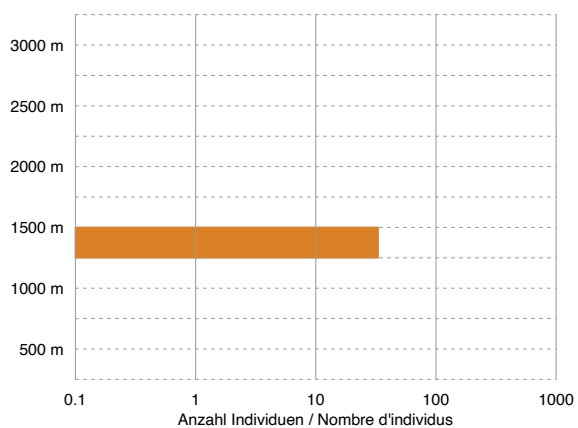


Entwicklung / Évolution

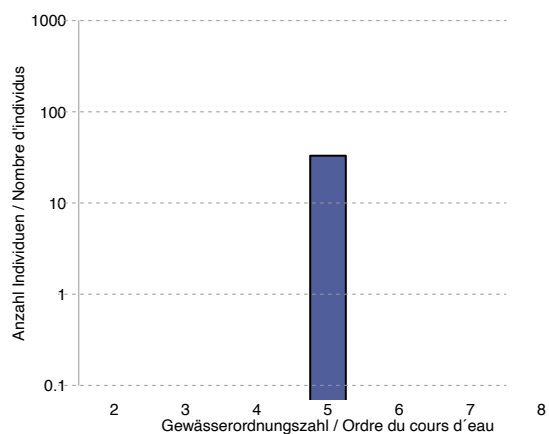
Mittelwert / Moyenne 2018–2023: 33 Ind.



Höhenverbreitung / Distribution altitudinale

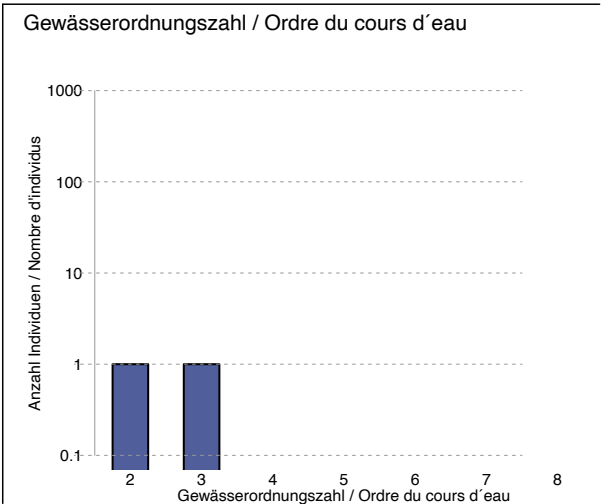
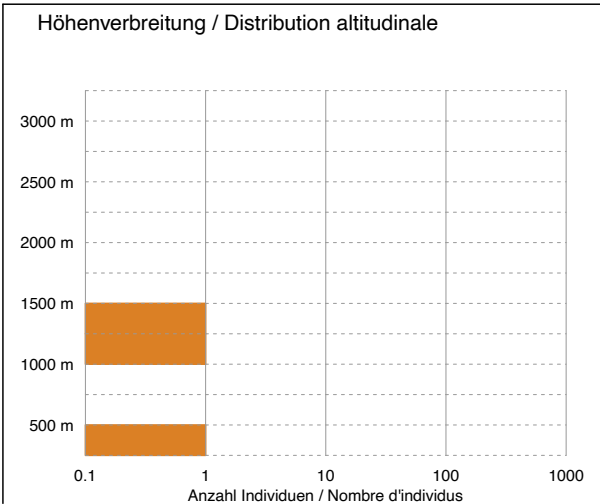
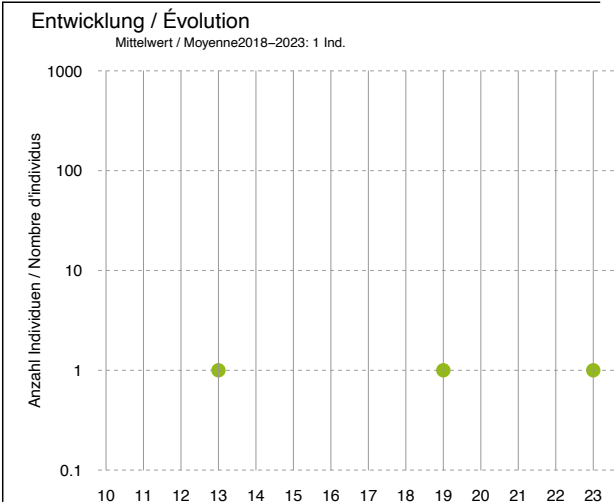
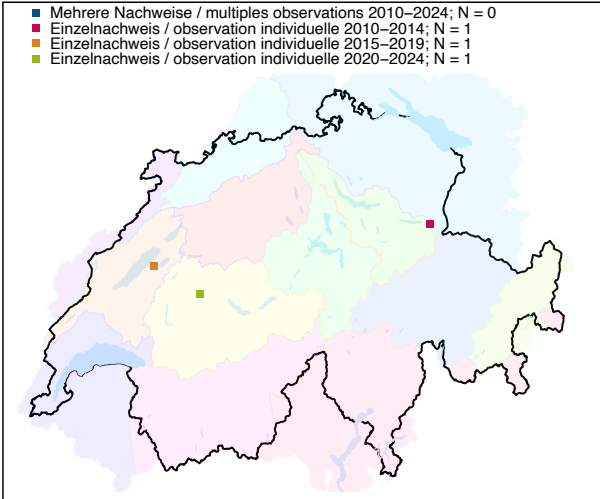


Gewässerordnungszahl / Ordre du cours d'eau



Curculionidae

Indikatorgruppe: NA

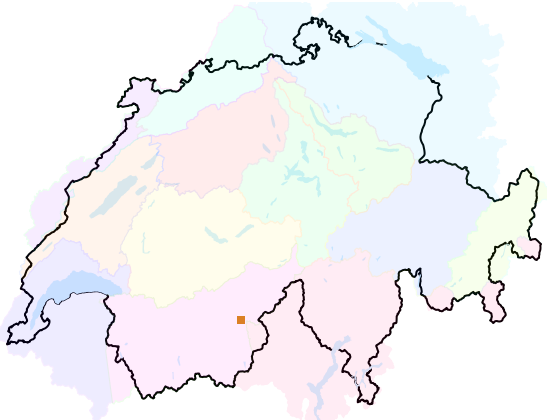


Cylindrotomidae

Indikatorgruppe:

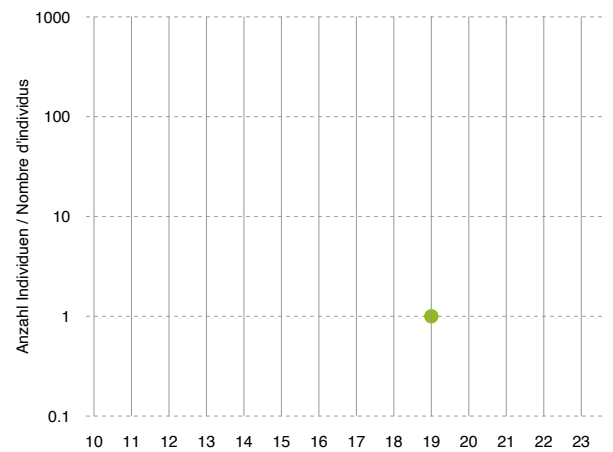
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 1
- Einzelnachweis / observation individuelle 2020–2024; N = 0

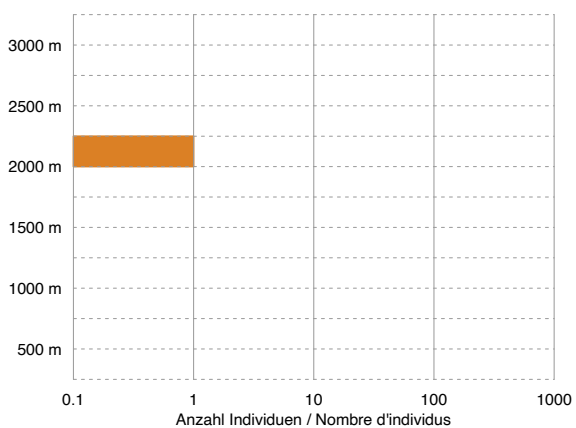


Entwicklung / Évolution

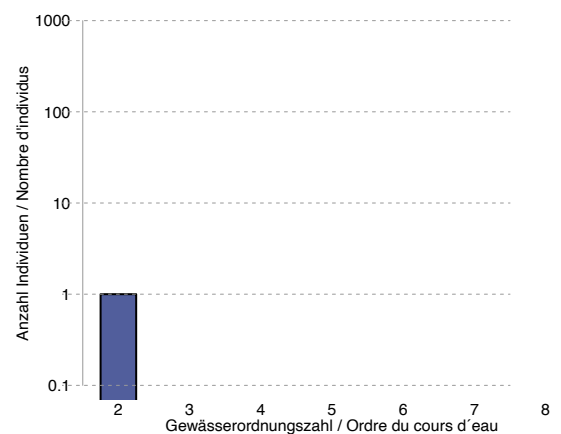
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale

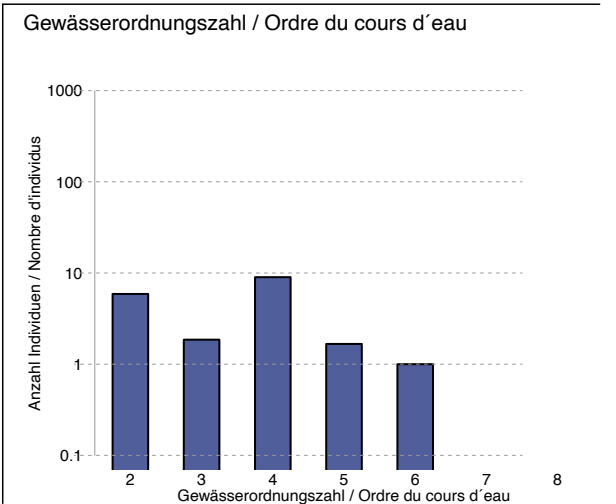
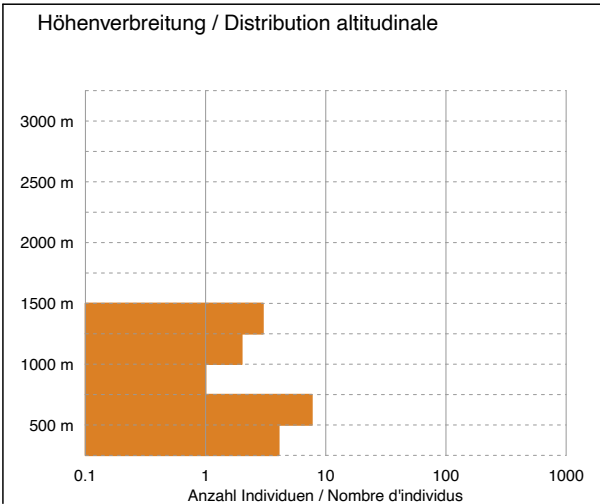
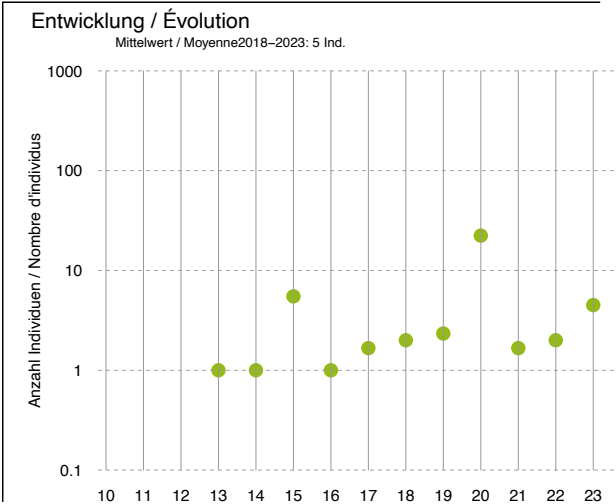
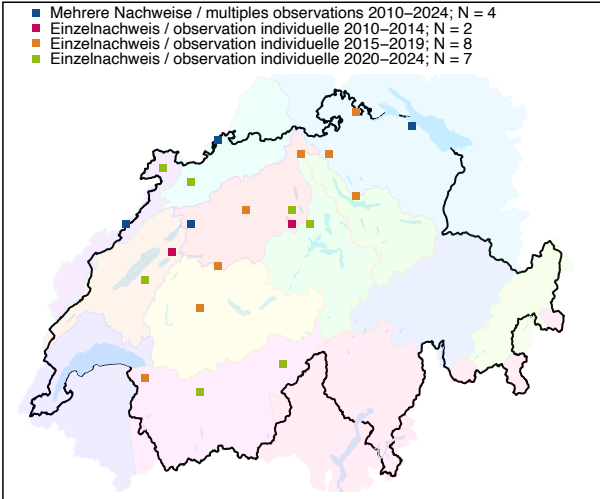


Gewässerordnungszahl / Ordre du cours d'eau

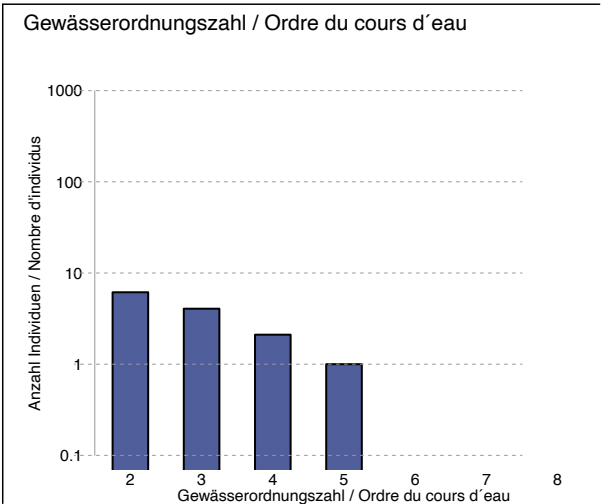
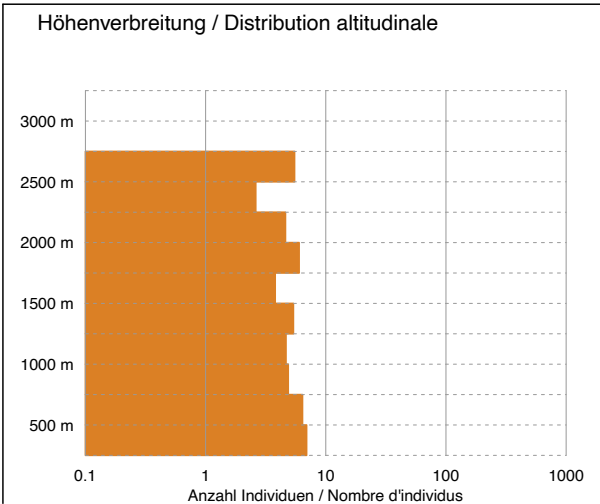
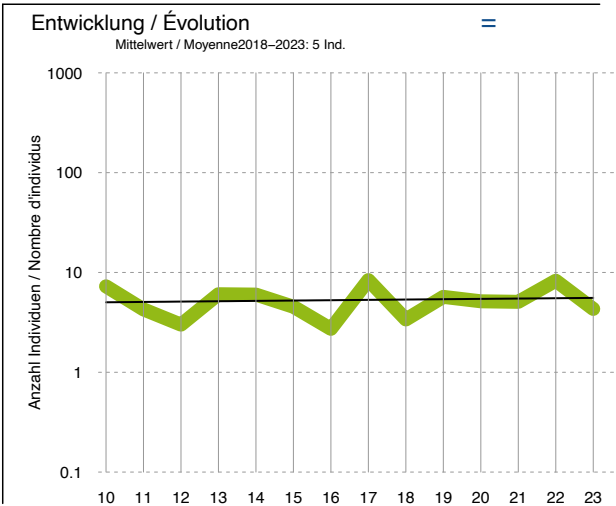
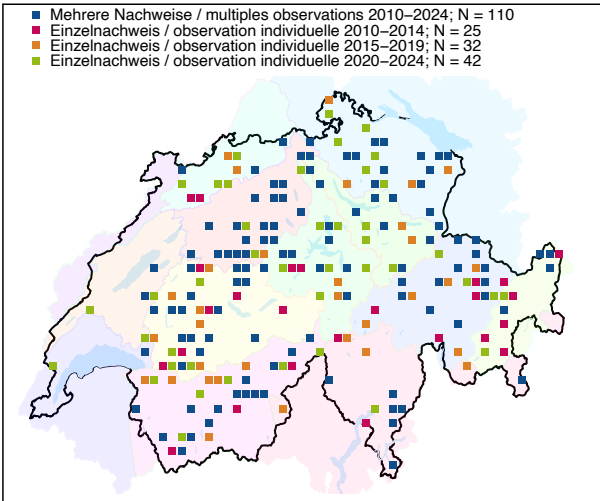


Dendrocoelidae

Indikatorgruppe: NA

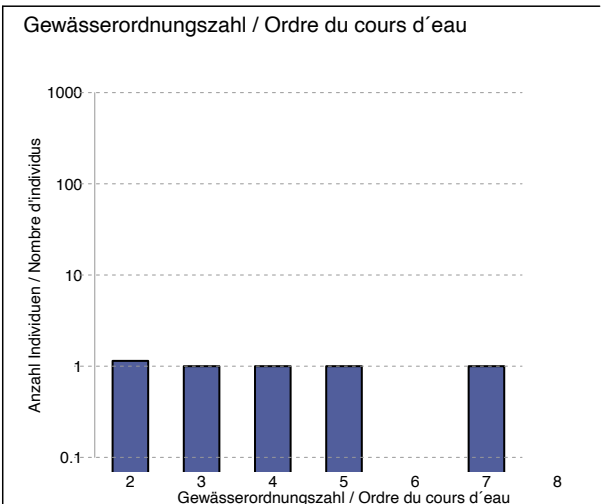
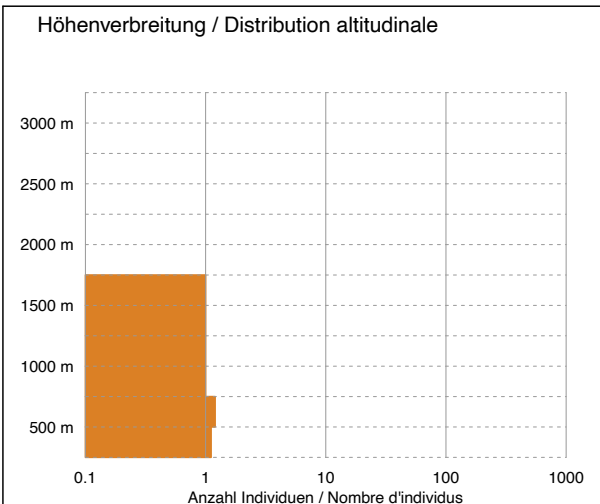
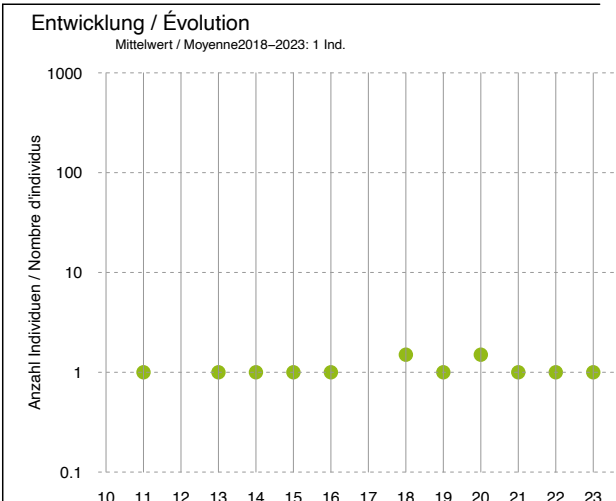
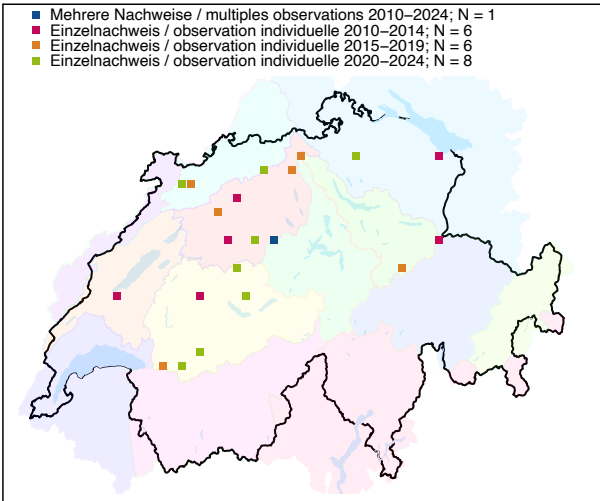


Indikatorgruppe: 0



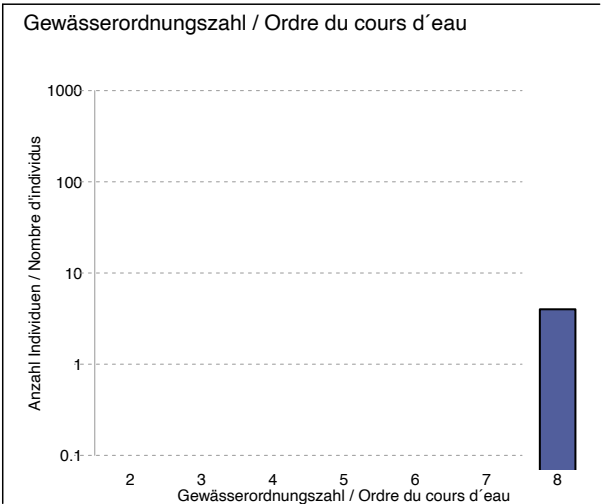
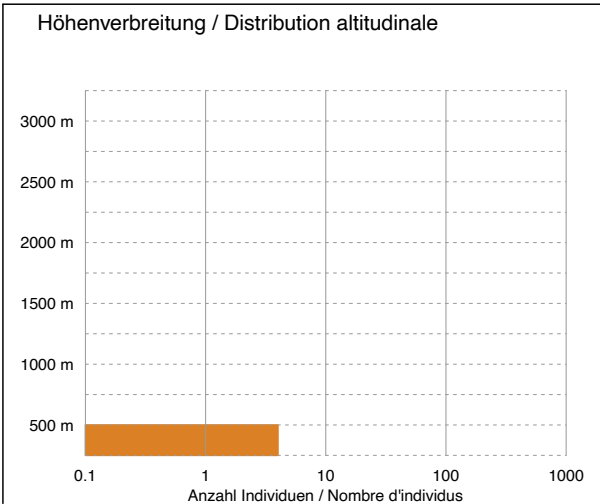
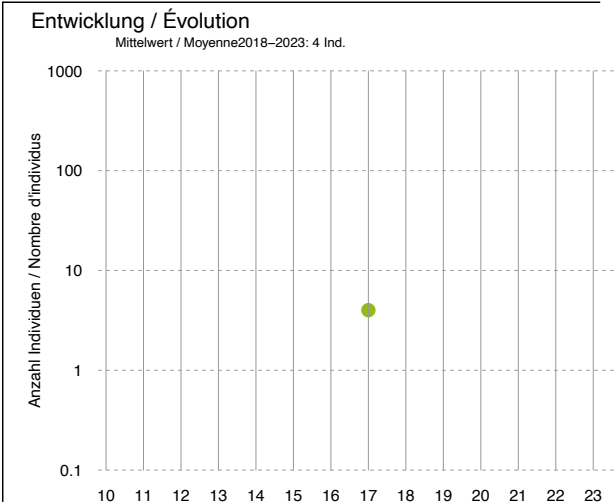
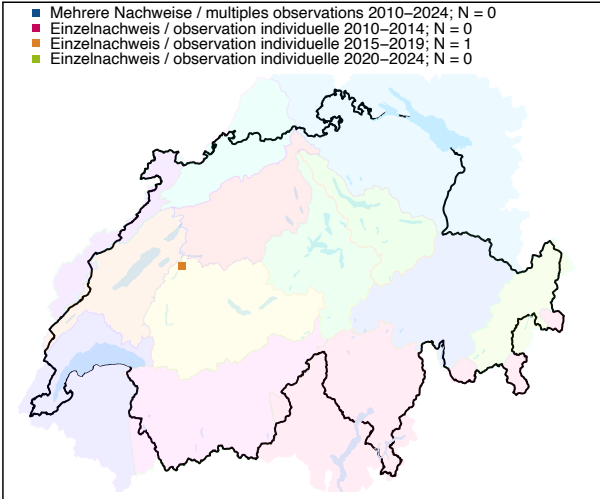
Dolichopodidae

Indikatorgruppe: NA



Dreissenidae

Indikatorgruppe: NA

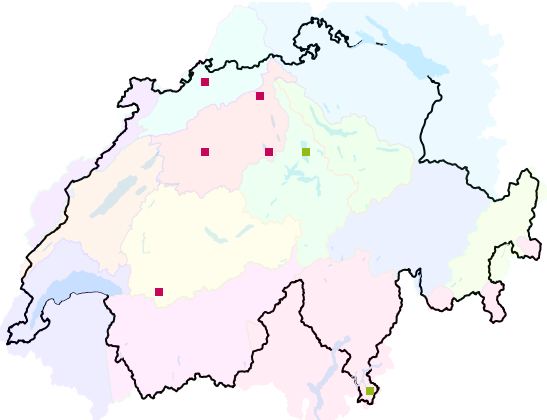


Dryopidae

Indikatorgruppe:

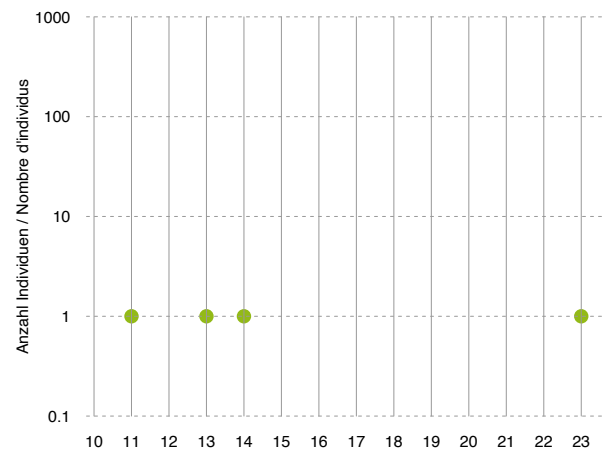
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 5
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 2

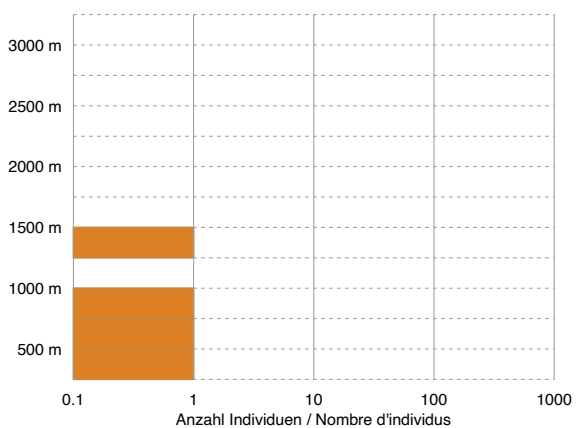


Entwicklung / Évolution

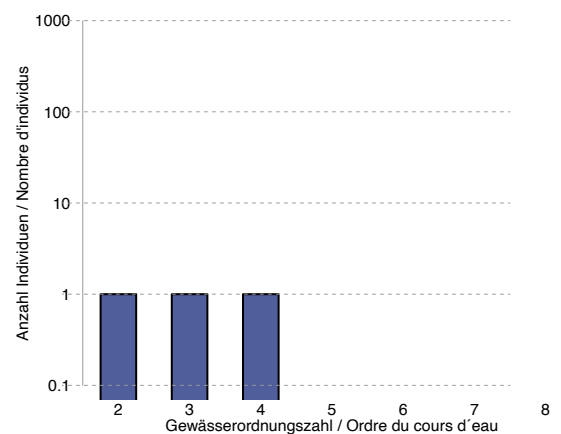
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale

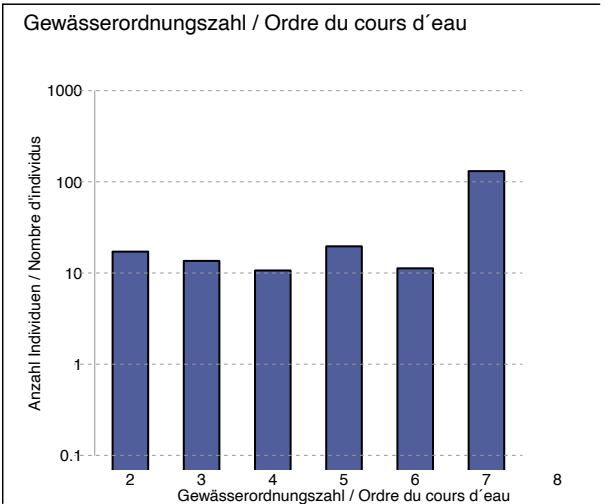
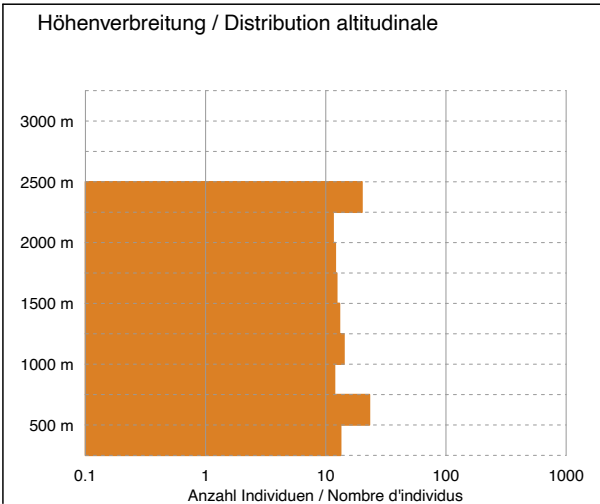
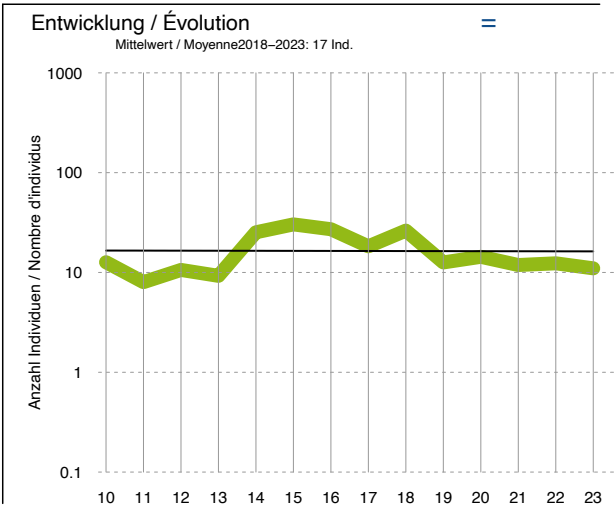
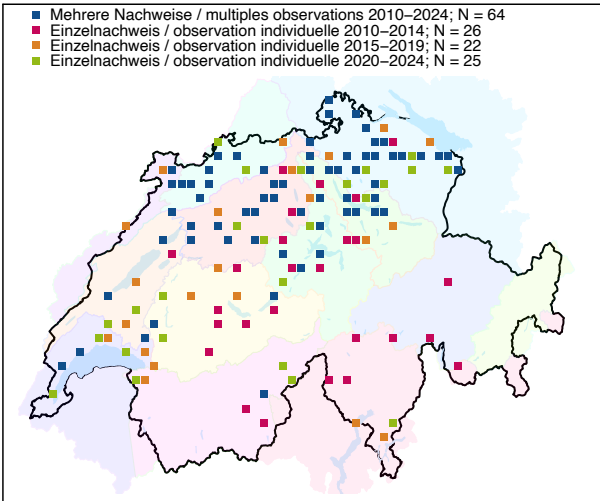


Gewässerordnungszahl / Ordre du cours d'eau

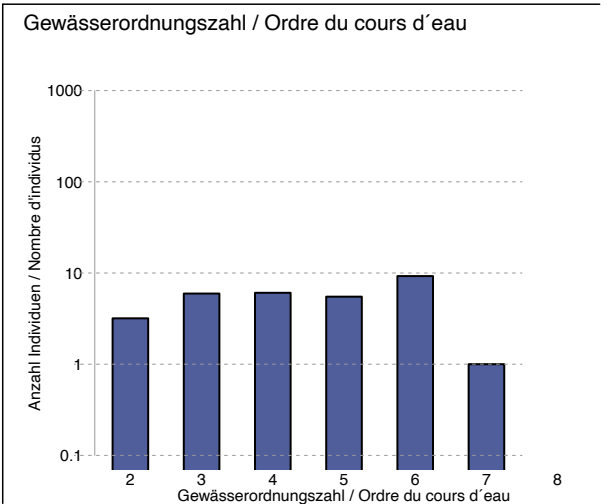
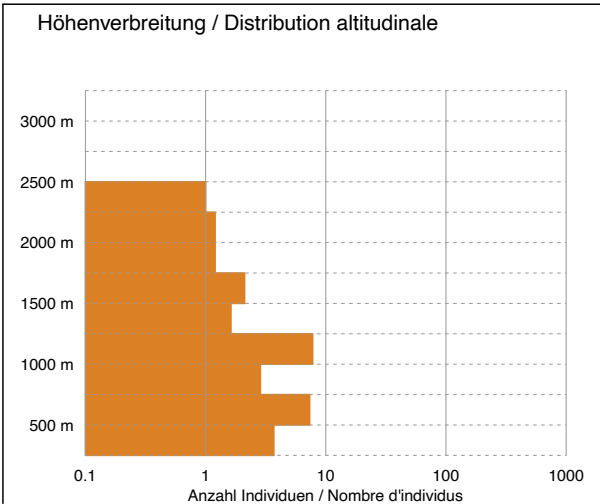
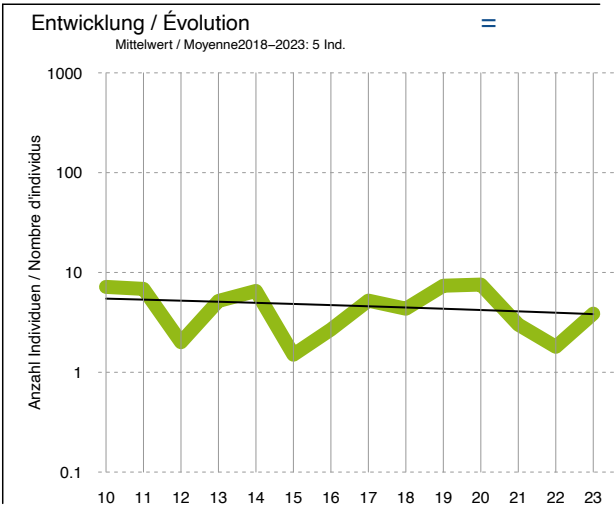
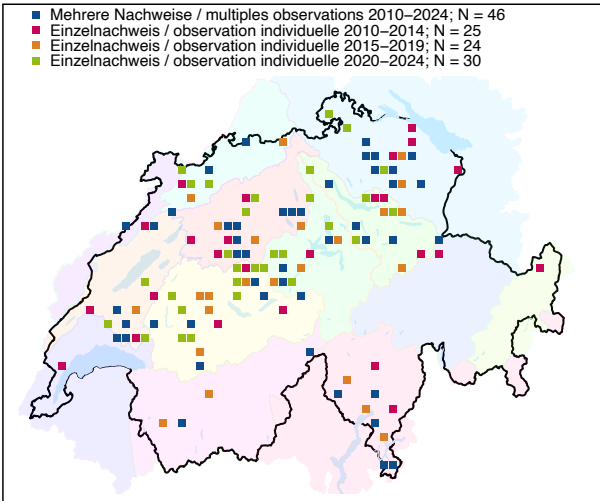


Dugesiidae

Indikatorgruppe: NA



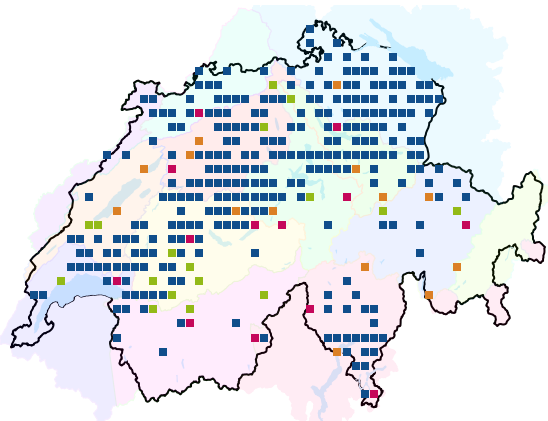
Indikatorgruppe: 0



Indikatorgruppe:

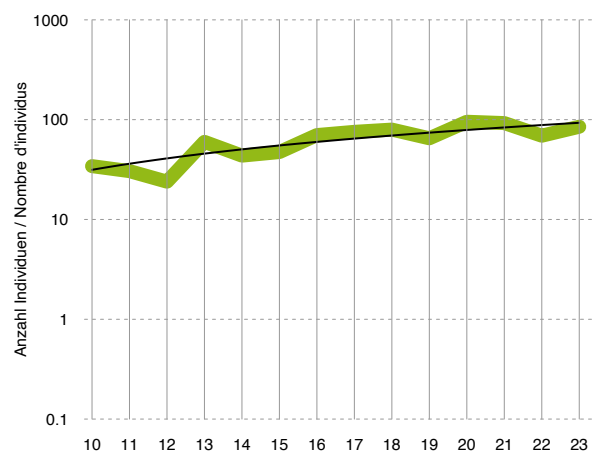
2

- Mehrere Nachweise / multiples observations 2010–2024; N = 274
- Einzelnachweis / observation individuelle 2010–2014; N = 13
- Einzelnachweis / observation individuelle 2015–2019; N = 14
- Einzelnachweis / observation individuelle 2020–2024; N = 17

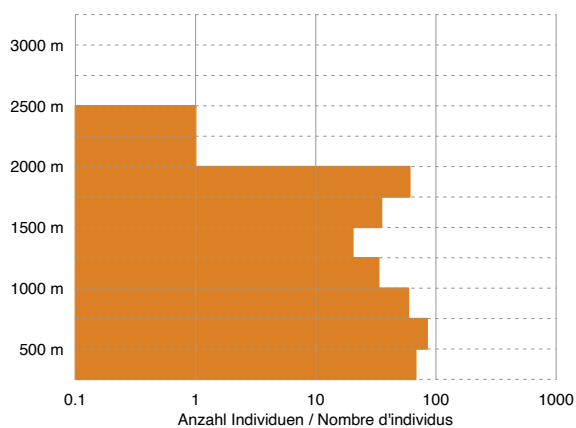


Entwicklung / Évolution

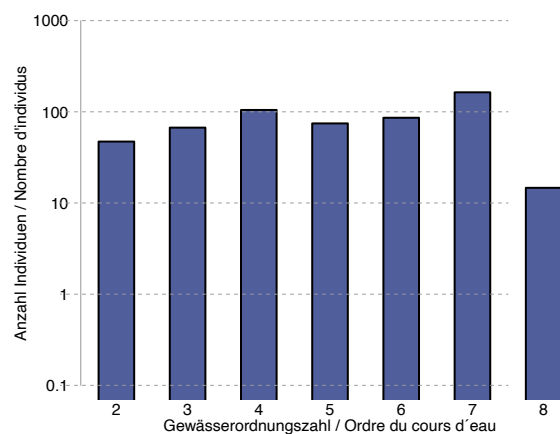
Mittelwert / Moyenne 2018–2023: 63 Ind.



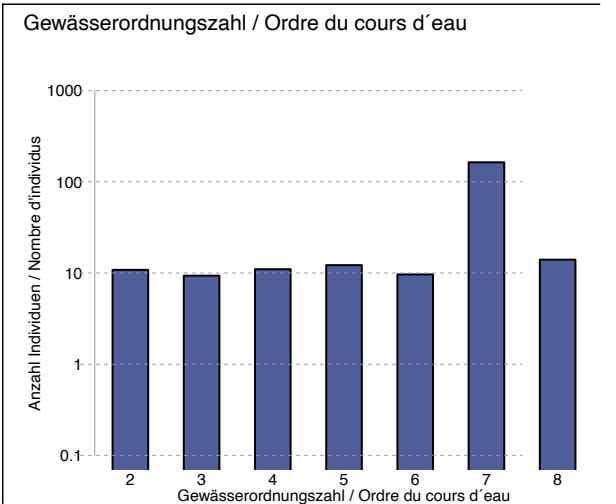
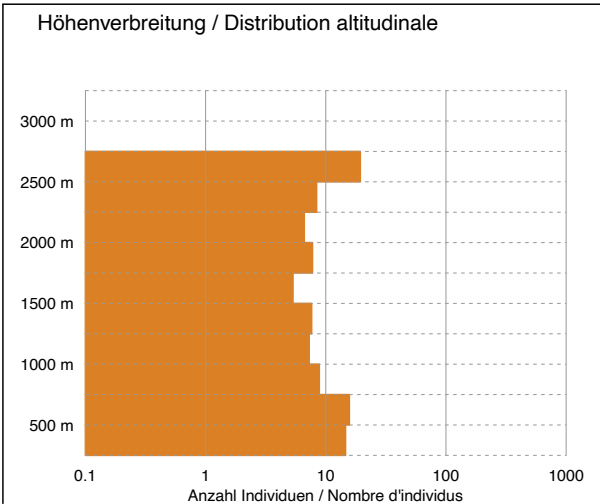
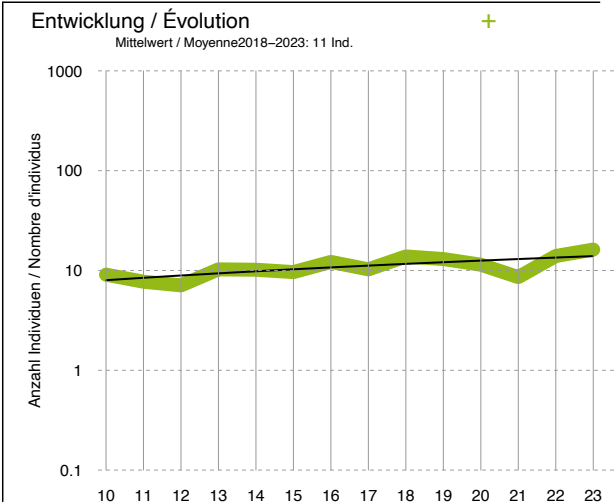
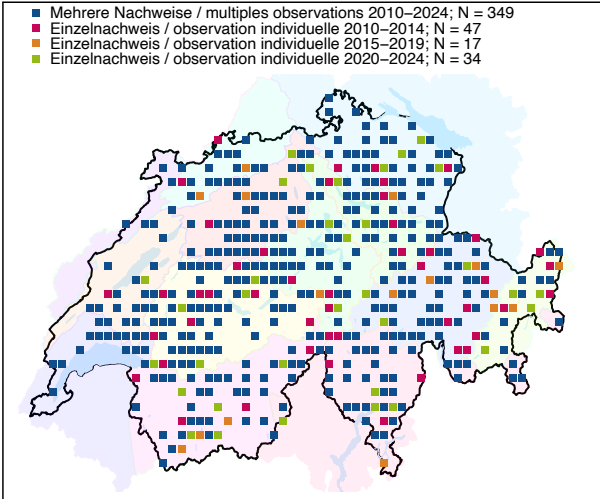
Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe: 0

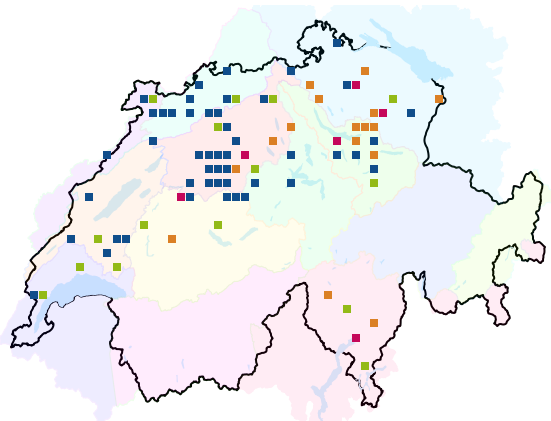


Ephemerellidae

Indikatorgruppe:

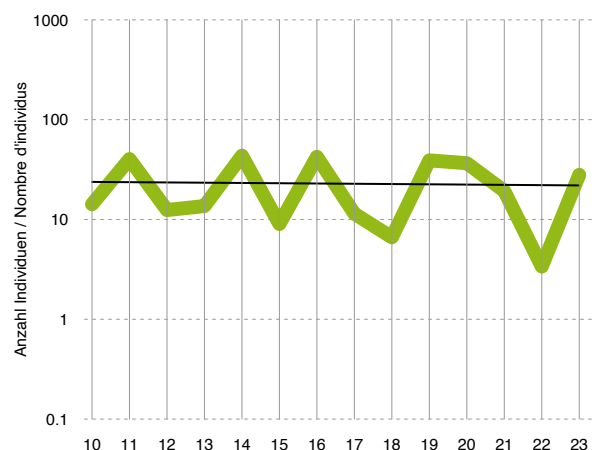
3

- Mehrere Nachweise / multiples observations 2010–2024; N = 48
- Einzelnachweis / observation individuelle 2010–2014; N = 6
- Einzelnachweis / observation individuelle 2015–2019; N = 16
- Einzelnachweis / observation individuelle 2020–2024; N = 15

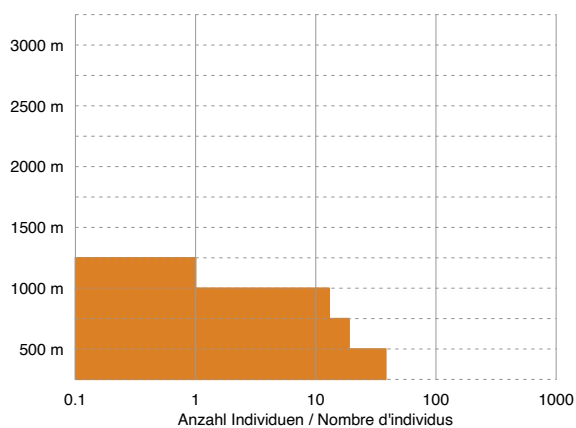


Entwicklung / Évolution

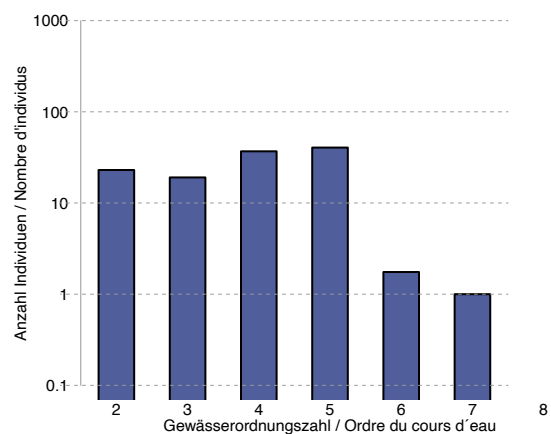
Mittelwert / Moyenne 2018–2023: 25 Ind.



Höhenverbreitung / Distribution altitudinale



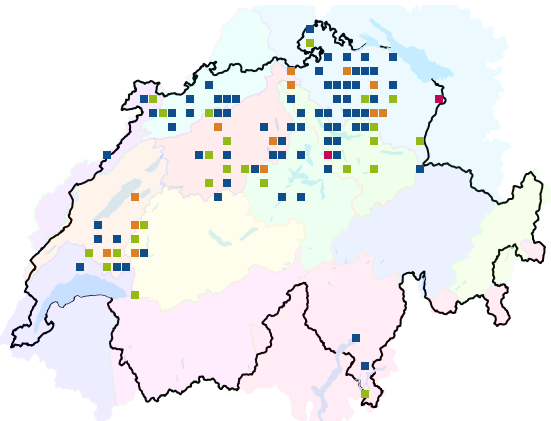
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe:

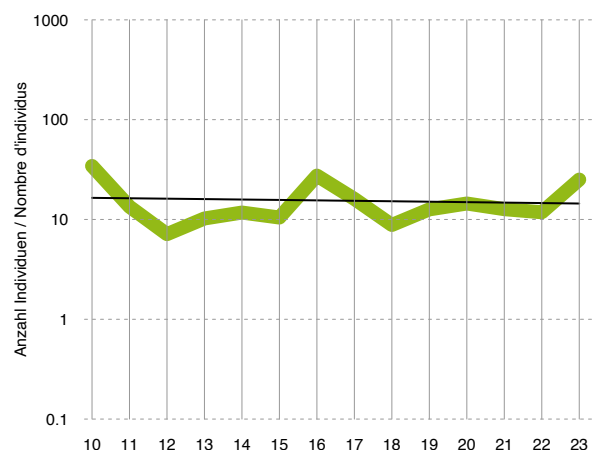
6

- Mehrere Nachweise / multiples observations 2010–2024; N = 69
- Einzelnachweis / observation individuelle 2010–2014; N = 2
- Einzelnachweis / observation individuelle 2015–2019; N = 13
- Einzelnachweis / observation individuelle 2020–2024; N = 24

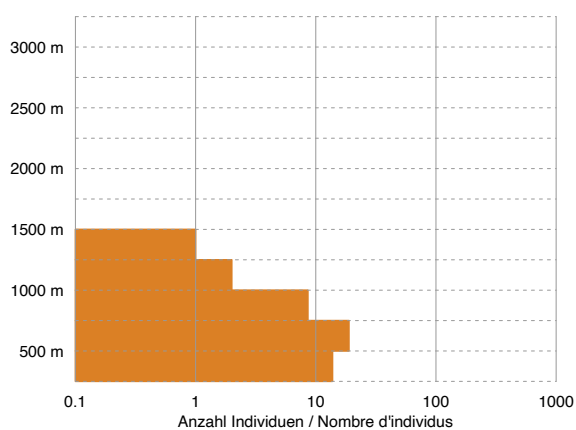


Entwicklung / Évolution

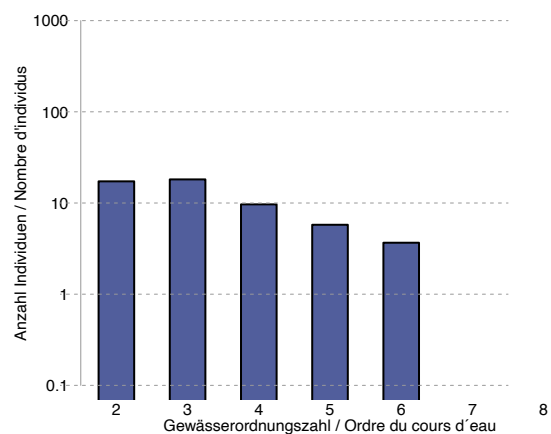
Mittelwert / Moyenne 2018–2023: 15 Ind.



Höhenverbreitung / Distribution altitudinale



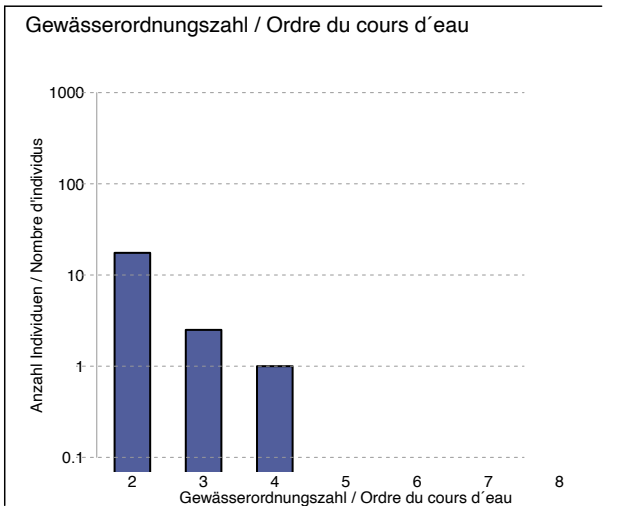
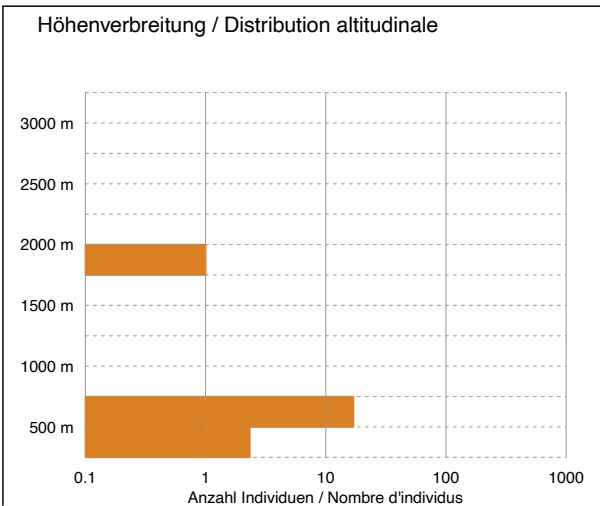
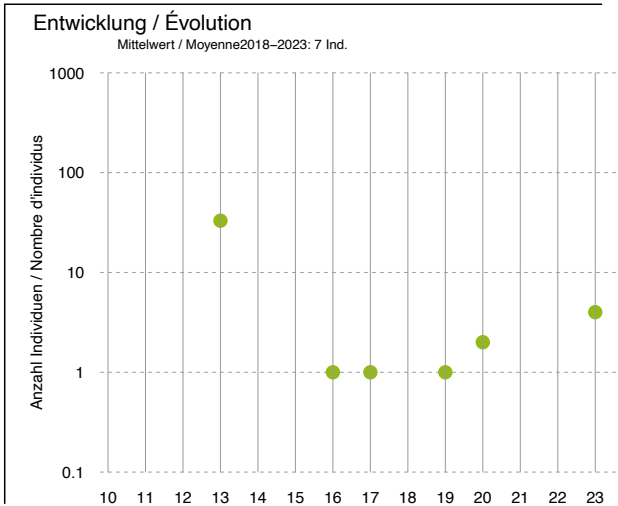
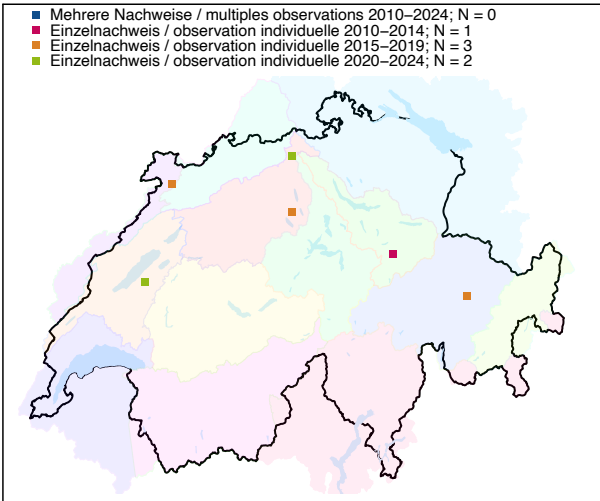
Gewässerordnungszahl / Ordre du cours d'eau



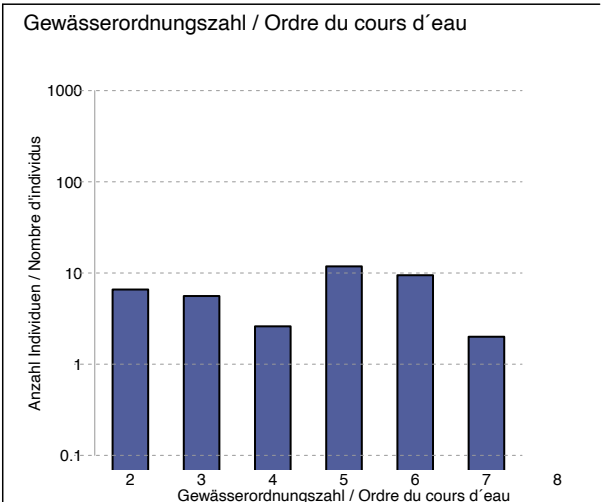
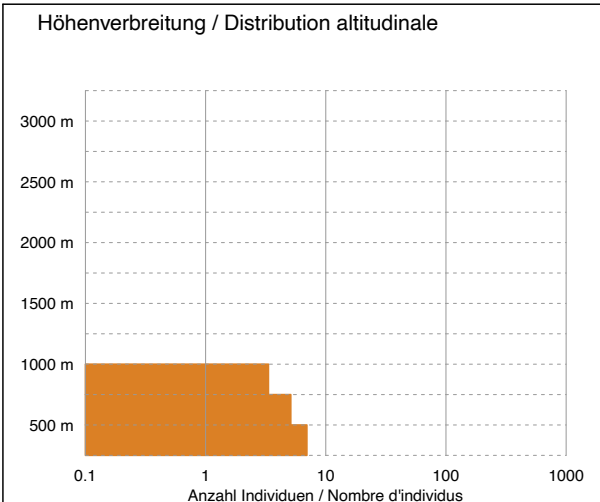
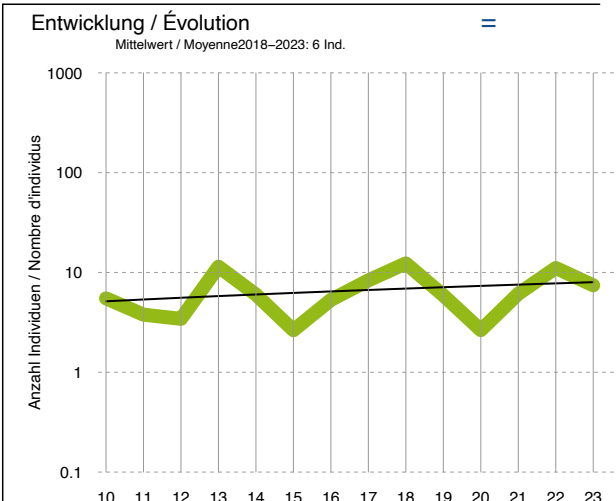
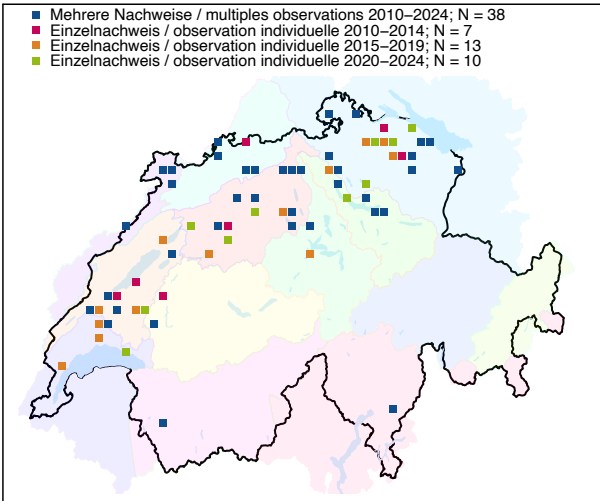
Ephydridae

Indikatorgruppe:

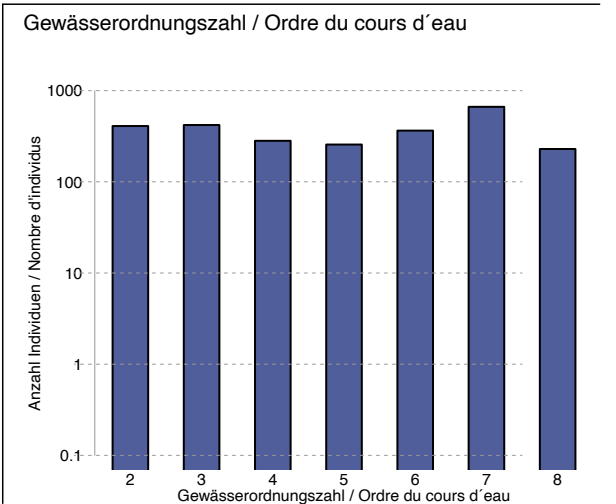
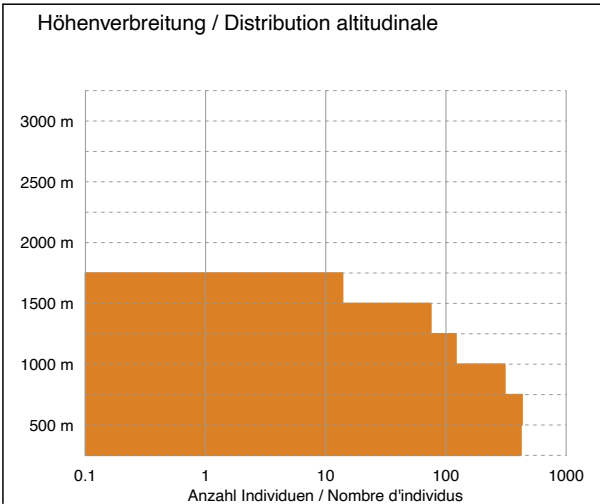
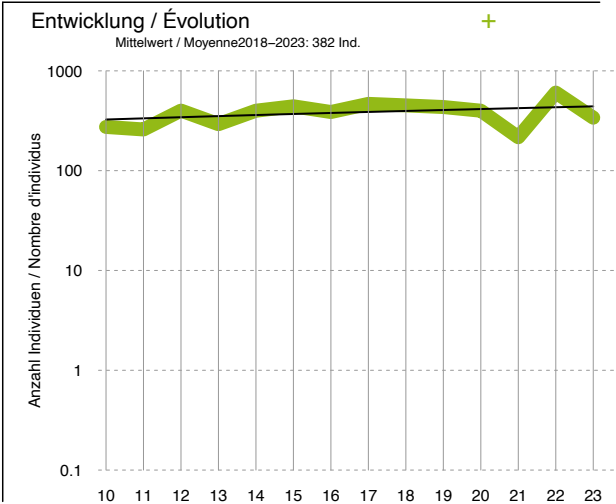
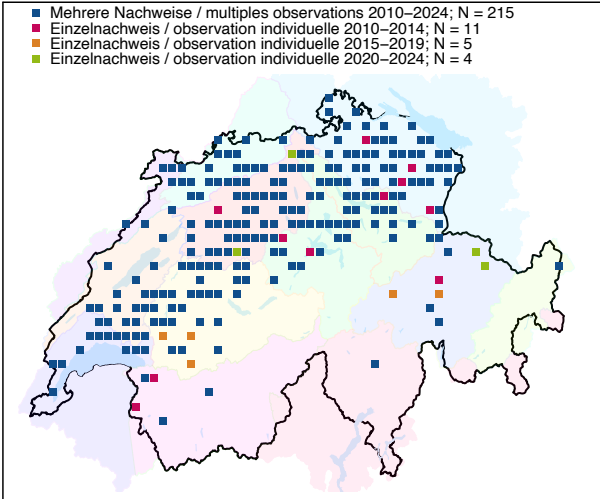
NA



Indikatorgruppe: 1



Indikatorgruppe: 2

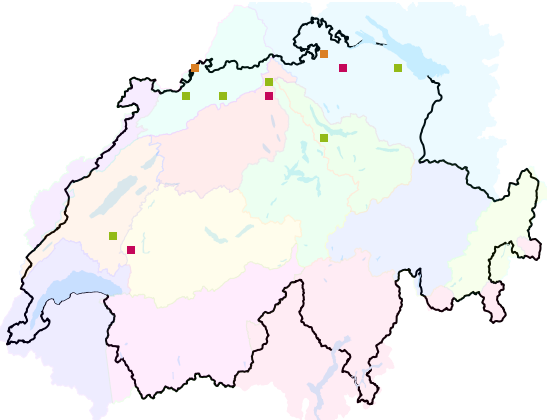


Gerridae

Indikatorgruppe:

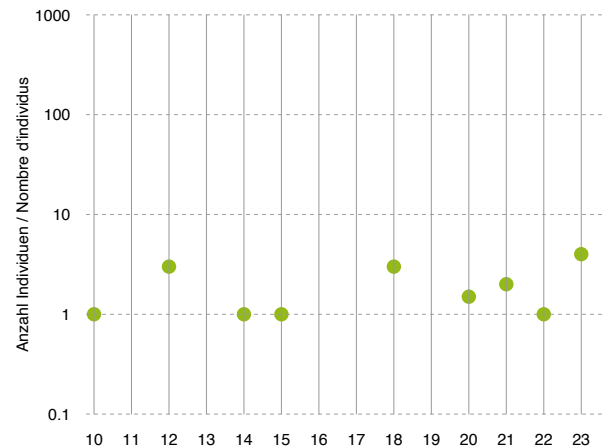
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 3
- Einzelnachweis / observation individuelle 2015–2019; N = 2
- Einzelnachweis / observation individuelle 2020–2024; N = 6

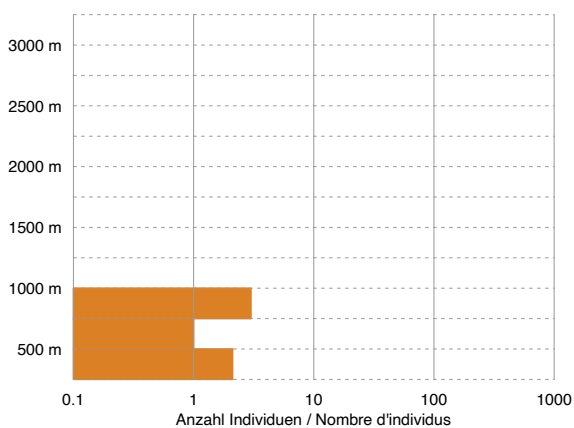


Entwicklung / Évolution

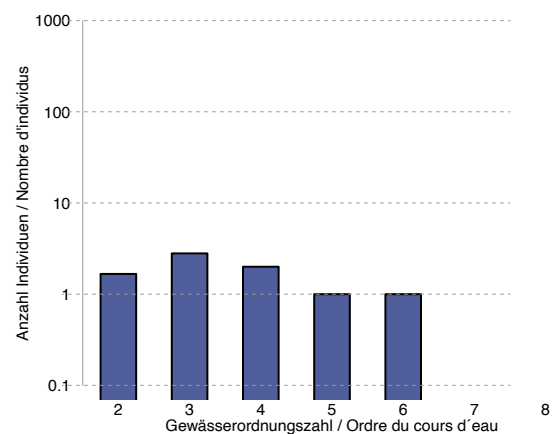
Mittelwert / Moyenne 2018–2023: 2 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

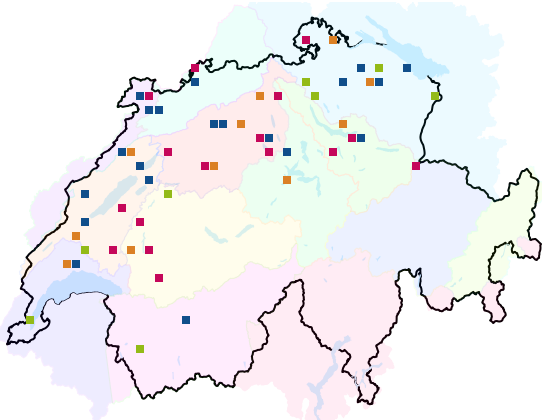


Glossiphoniidae

Indikatorgruppe:

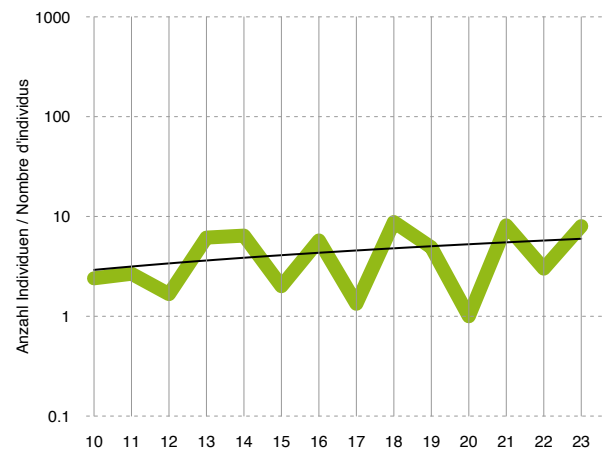
1

- Mehrere Nachweise / multiples observations 2010–2024; N = 20
- Einzelnachweis / observation individuelle 2010–2014; N = 16
- Einzelnachweis / observation individuelle 2015–2019; N = 11
- Einzelnachweis / observation individuelle 2020–2024; N = 8

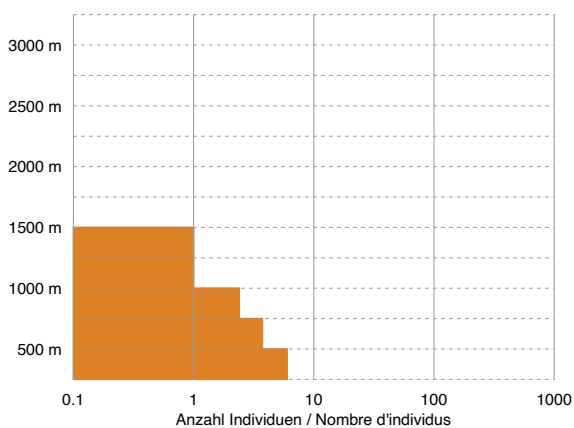


Entwicklung / Évolution

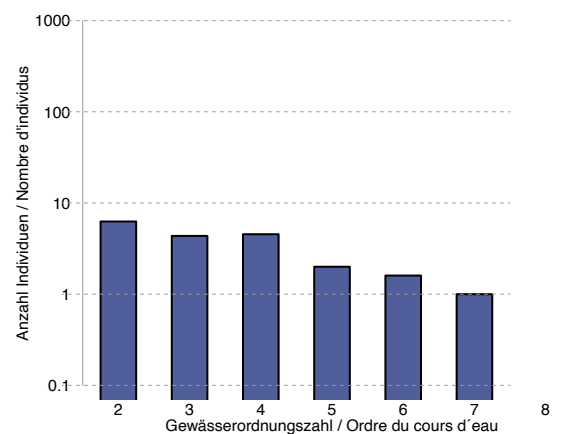
Mittelwert / Moyenne 2018–2023: 5 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

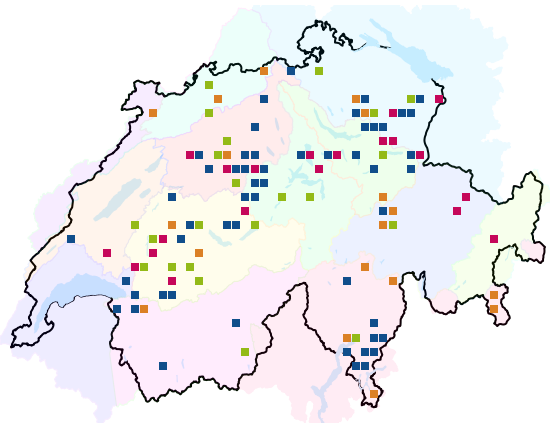


Glossosomatidae

Indikatorgruppe:

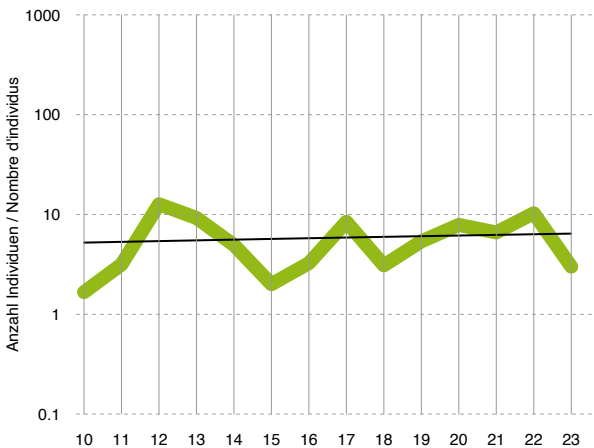
7

- Mehrere Nachweise / multiples observations 2010–2024; N = 52
- Einzelnachweis / observation individuelle 2010–2014; N = 20
- Einzelnachweis / observation individuelle 2015–2019; N = 18
- Einzelnachweis / observation individuelle 2020–2024; N = 22

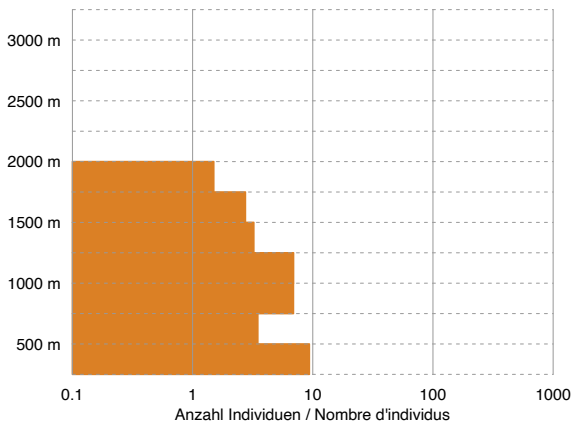


Entwicklung / Évolution

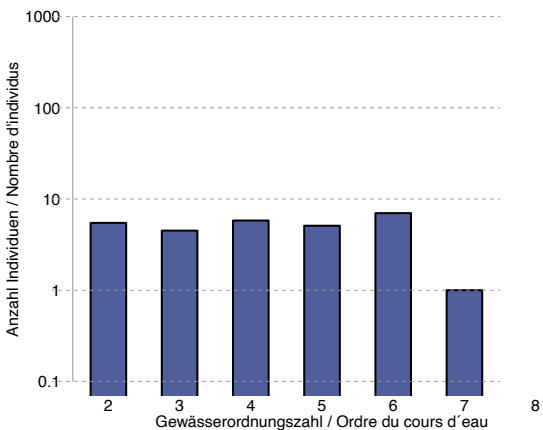
Mittelwert / Moyenne 2018–2023: 6 Ind.



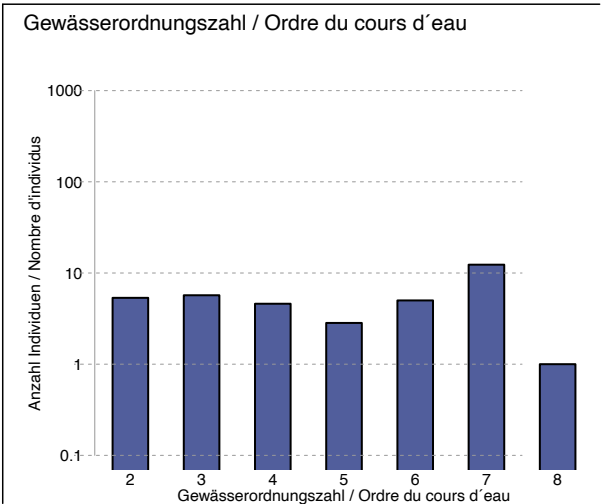
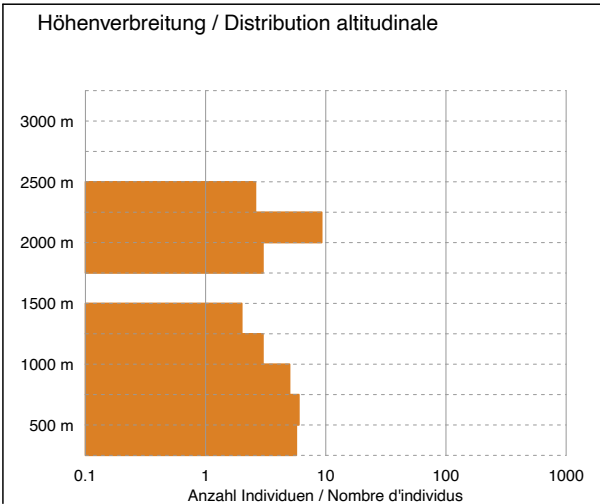
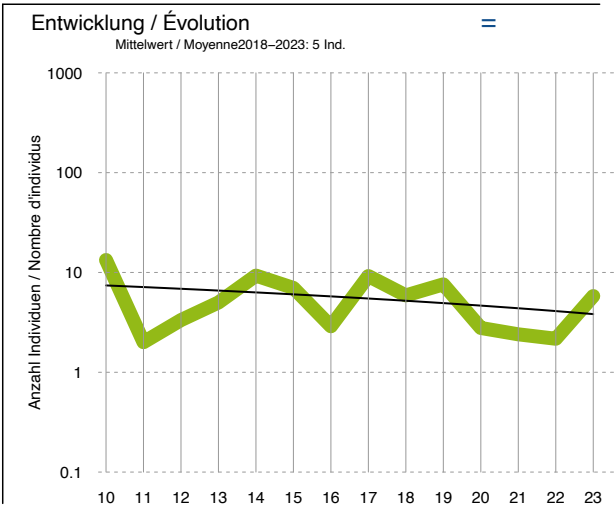
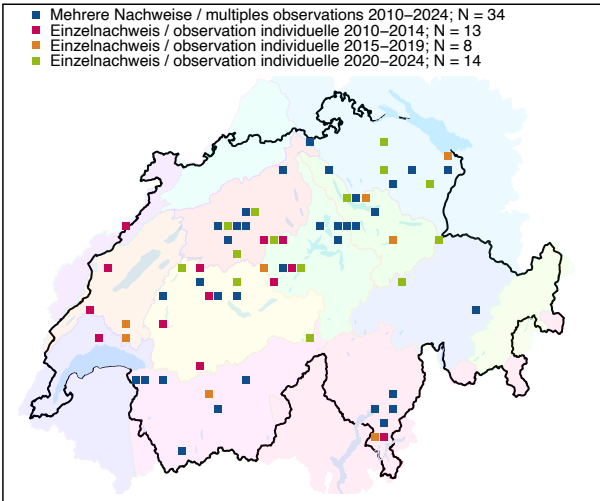
Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

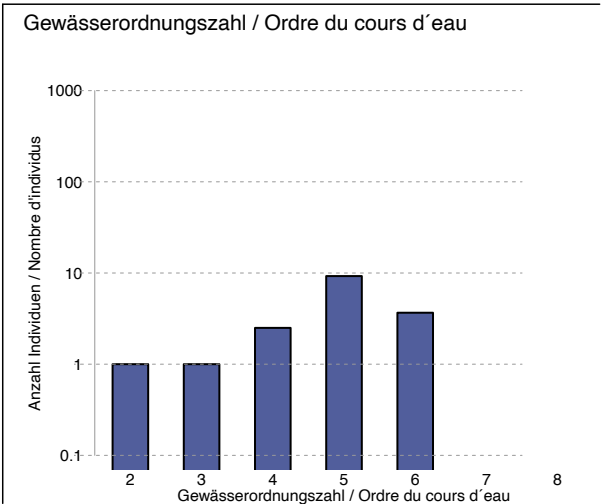
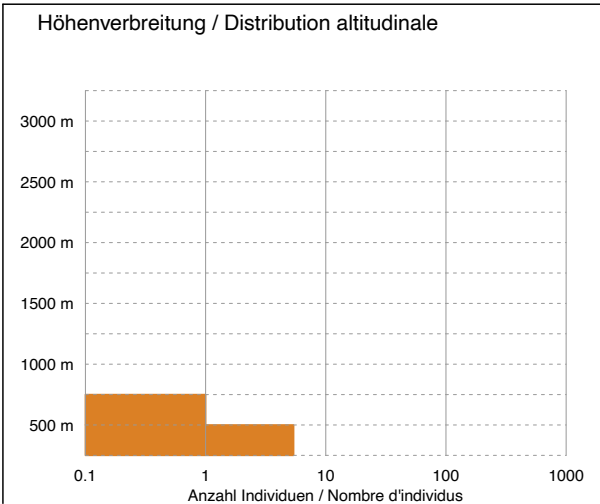
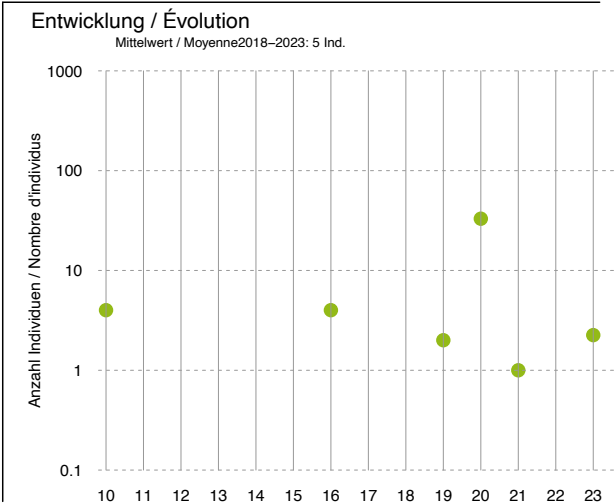
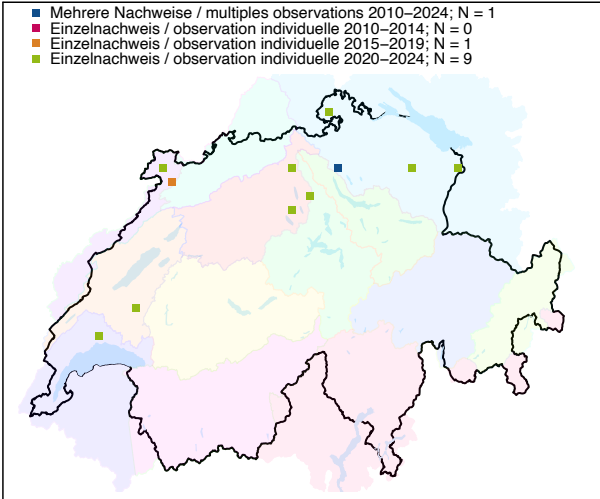


Indikatorgruppe: 7

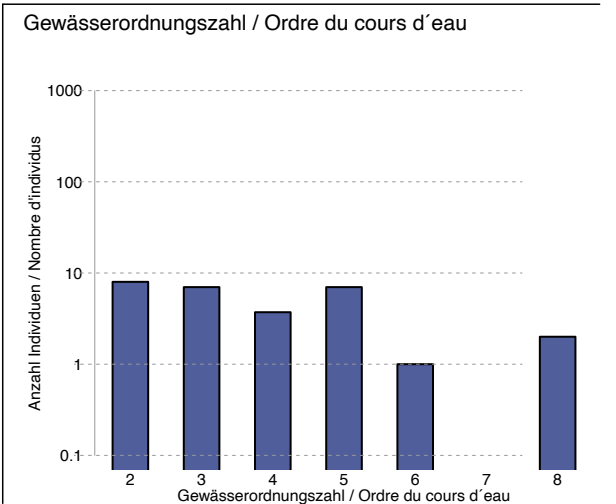
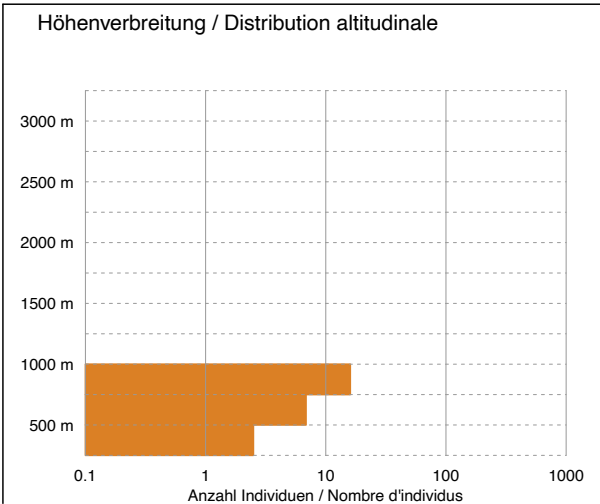
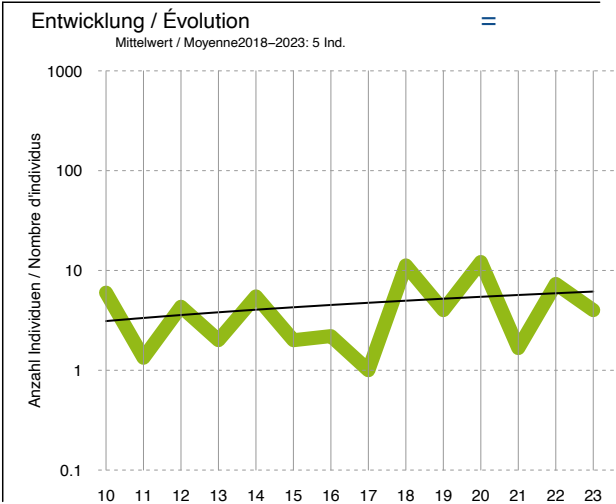
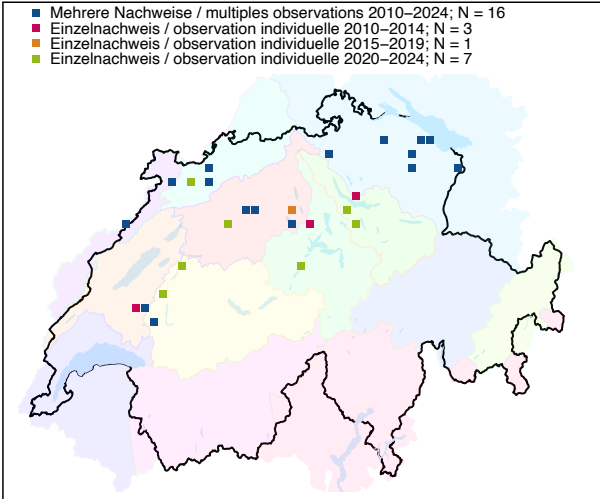


Gomphidae

Indikatorgruppe: NA

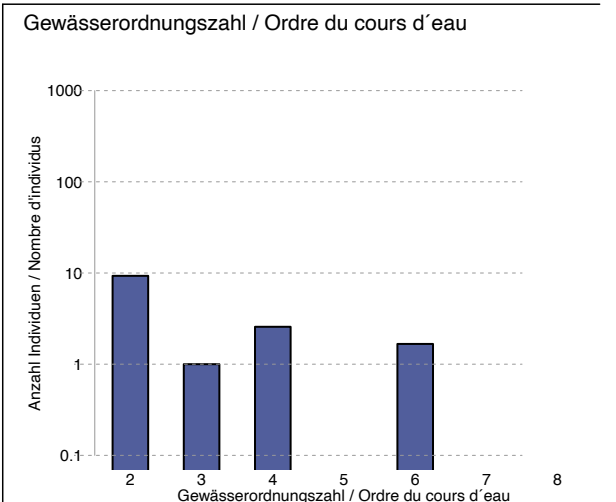
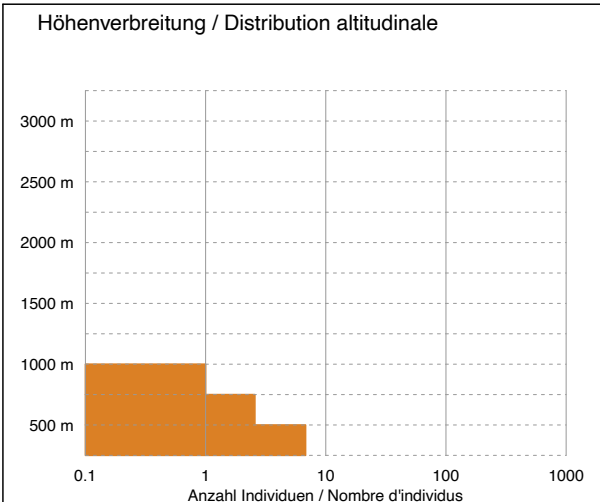
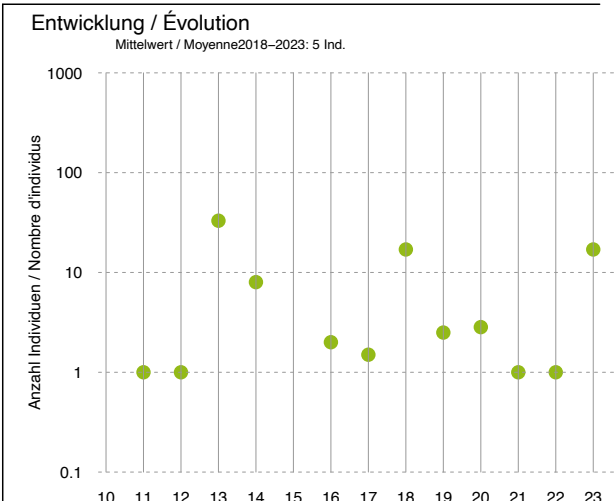
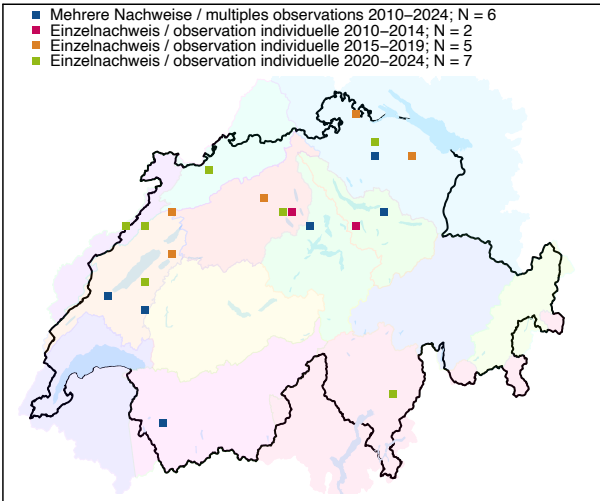


Indikatorgruppe: NA



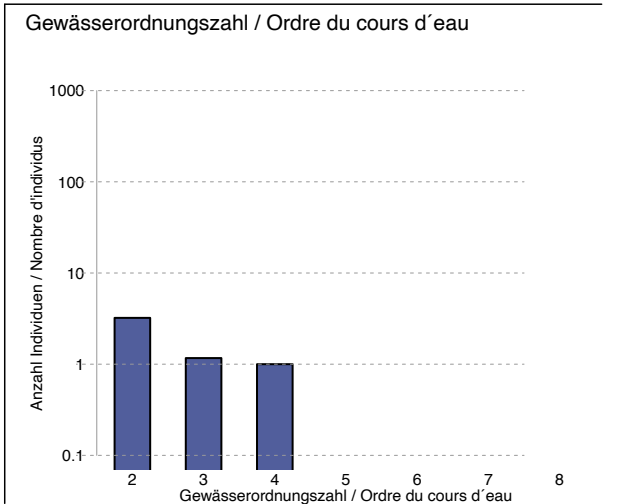
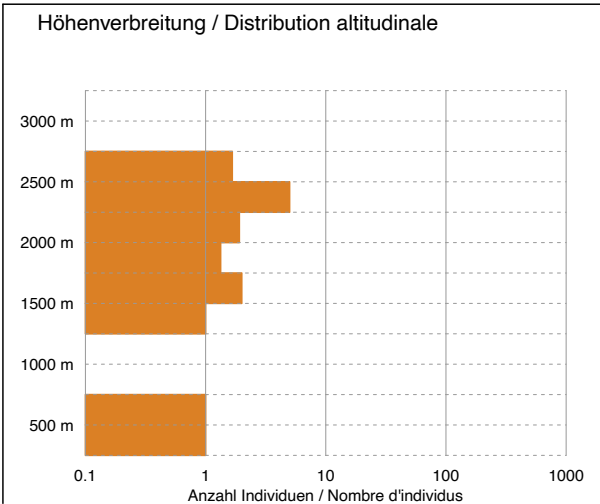
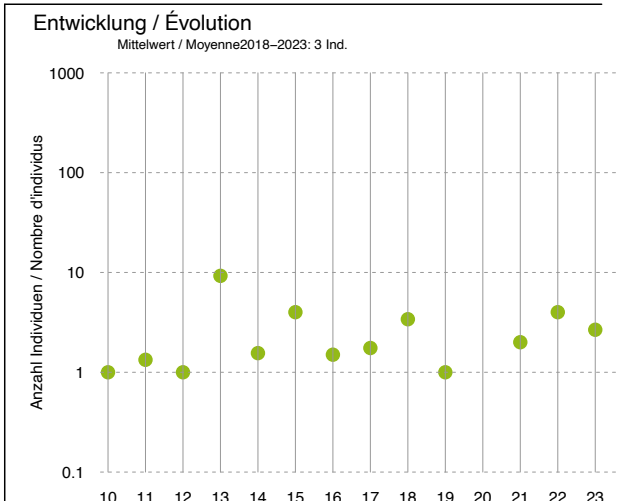
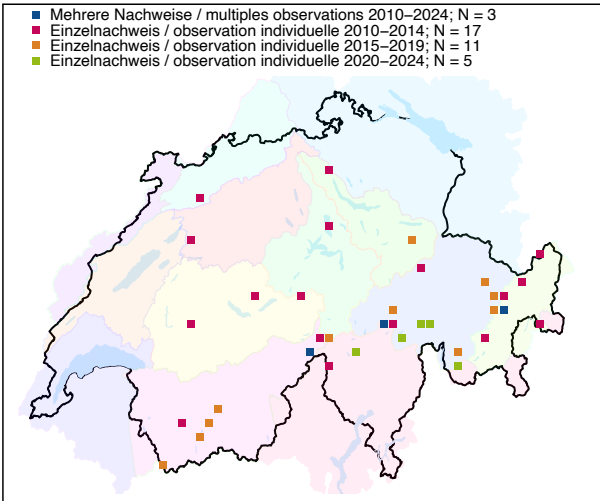
Haliplidae

Indikatorgruppe: NA



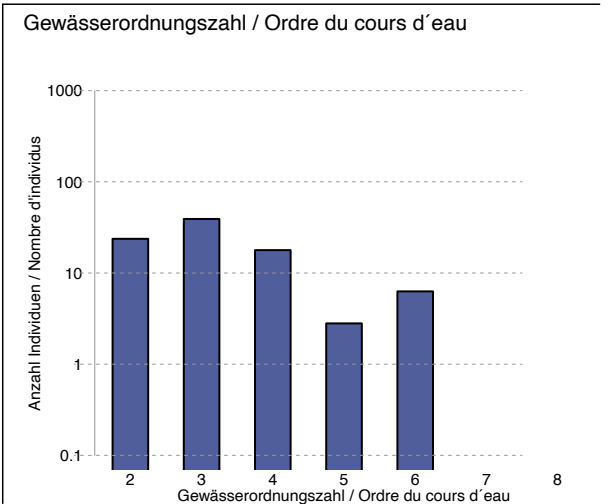
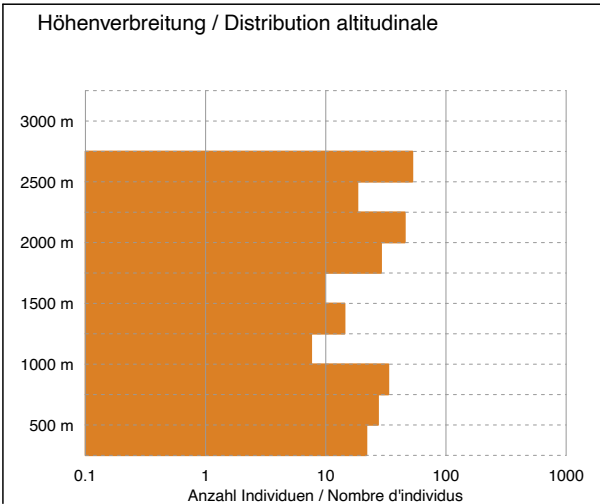
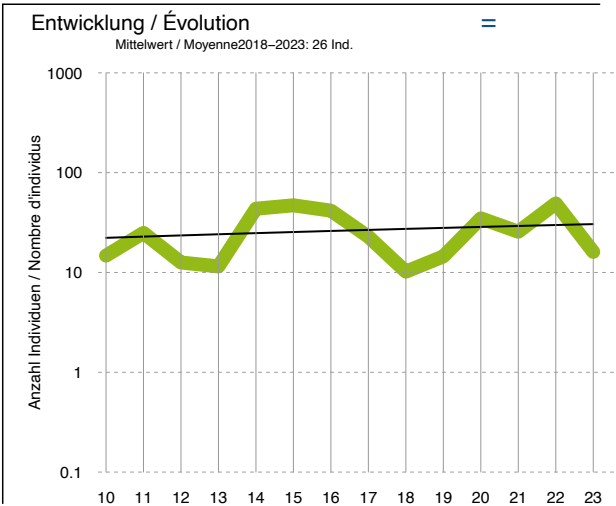
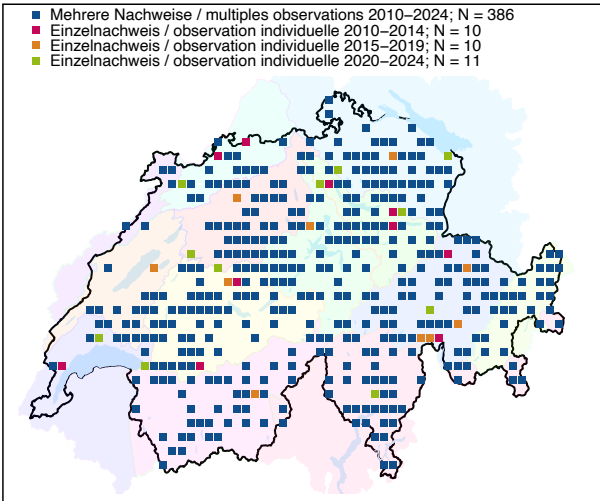
Helophoridae (Tachet)

Indikatorgruppe: NA



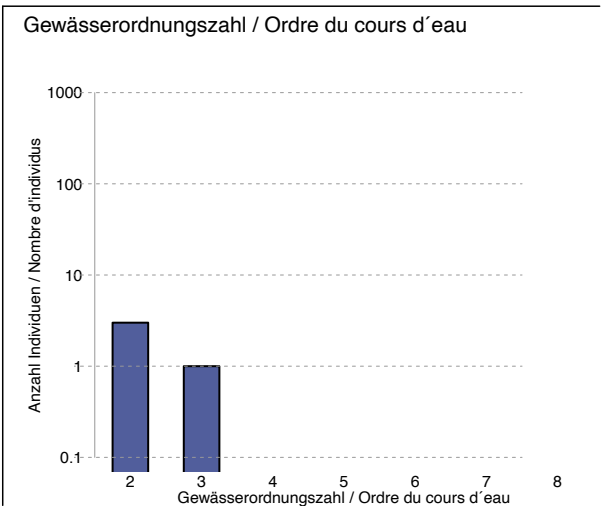
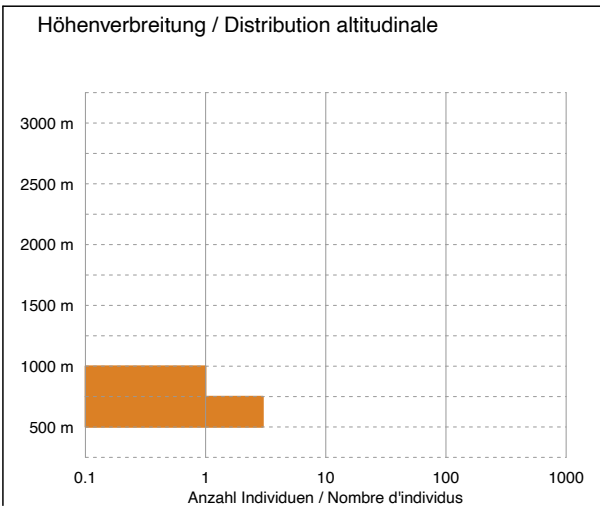
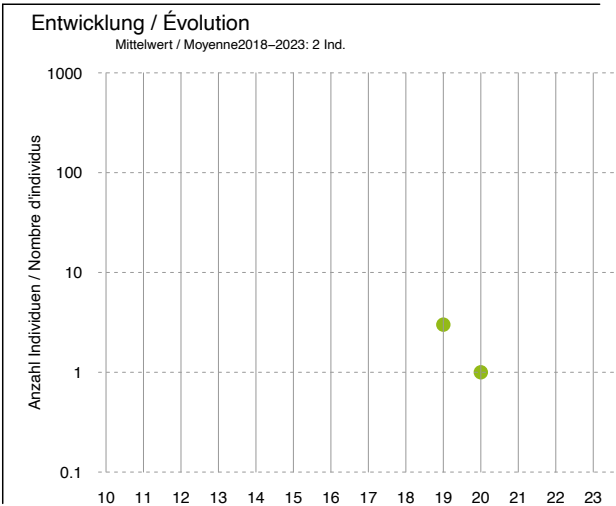
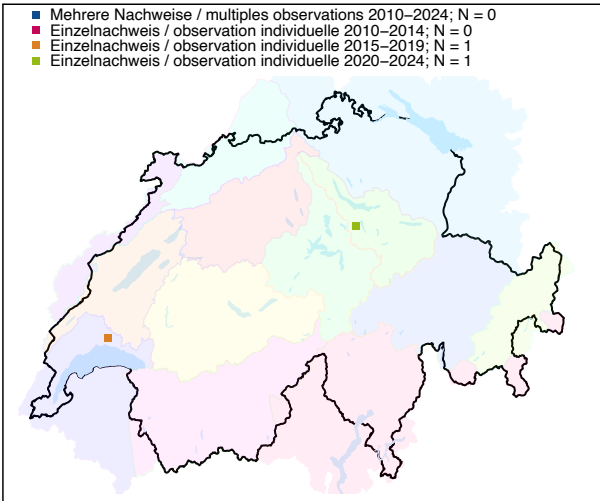
Heptageniidae

Indikatorgruppe: NA

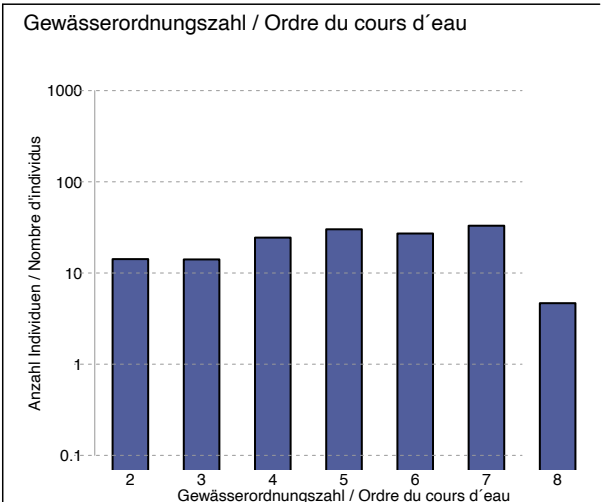
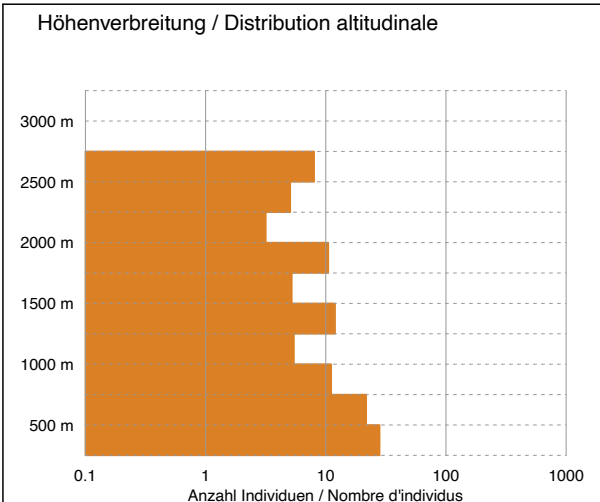
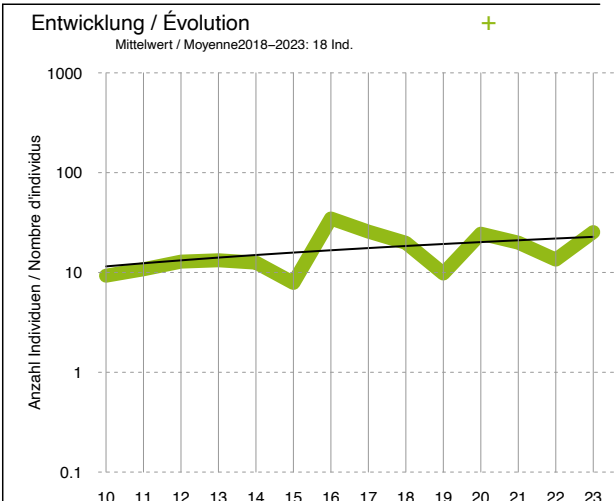
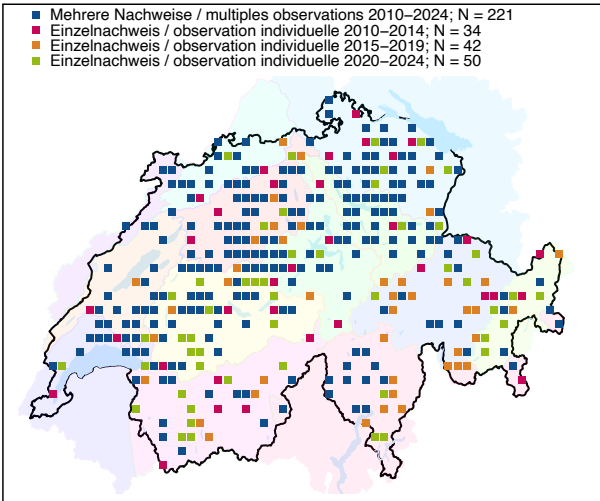


Hirudidae (Tachet)

Indikatorgruppe: NA

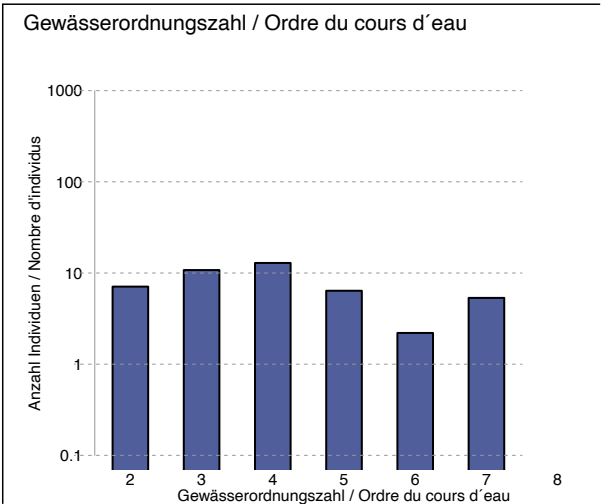
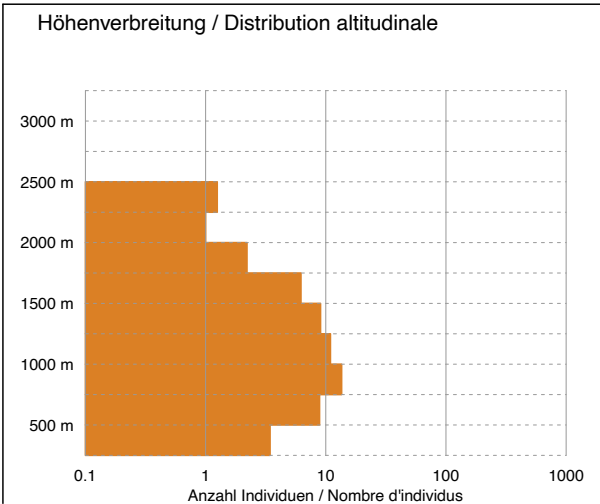
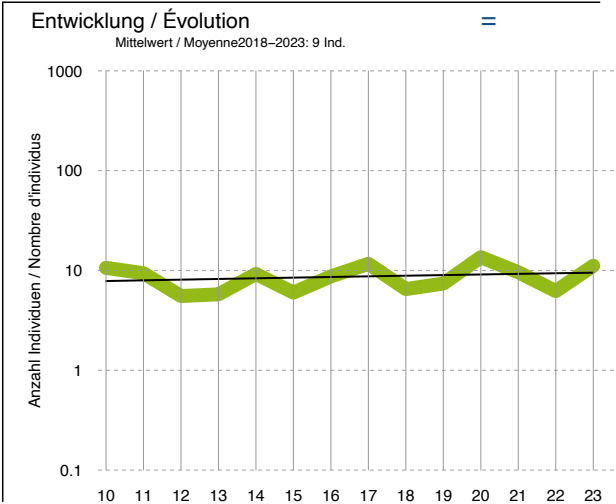
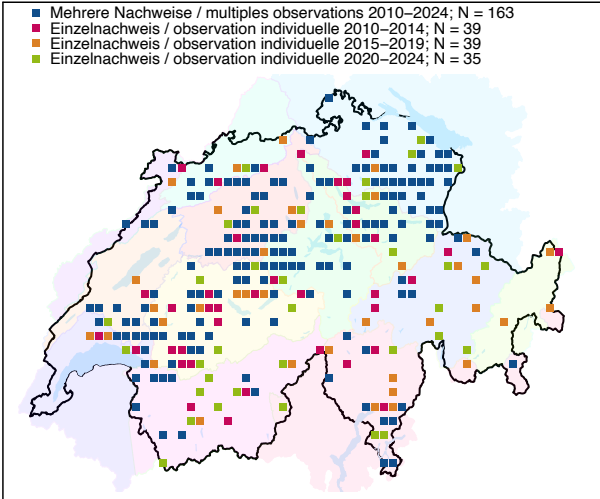


Indikatorgruppe: 0



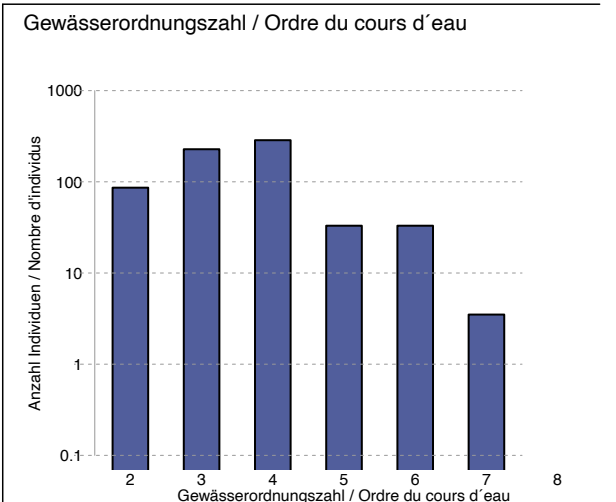
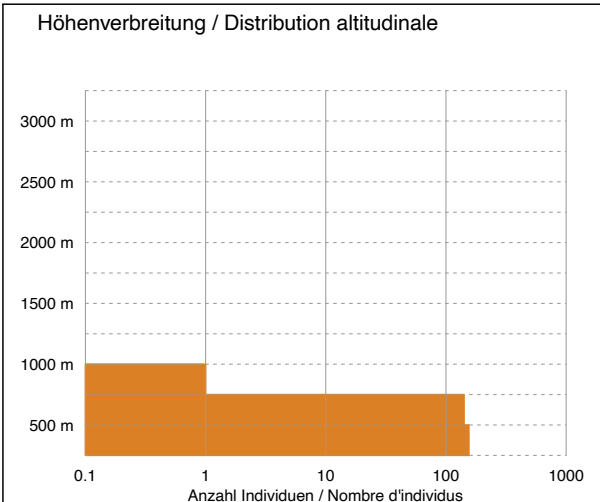
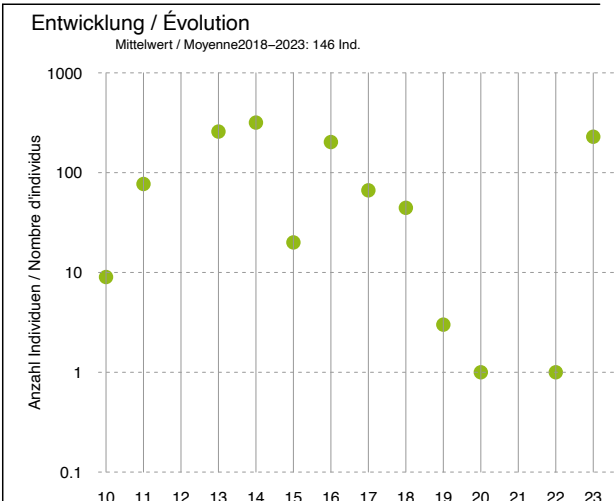
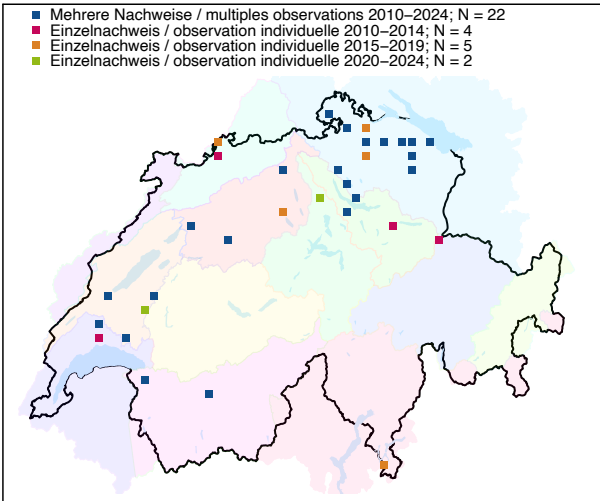
Hydraenidae

Indikatorgruppe: 0



Hydrobiidae

Indikatorgruppe: NA

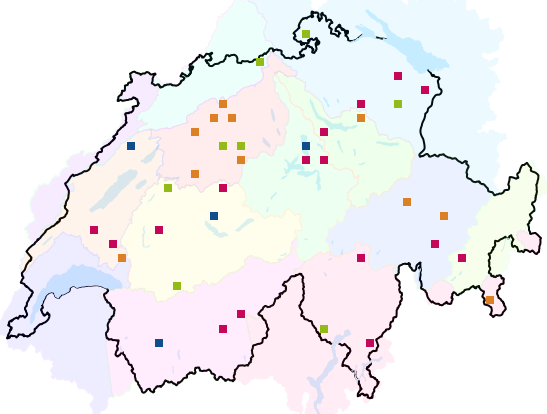


Hydrophilidae

Indikatorgruppe:

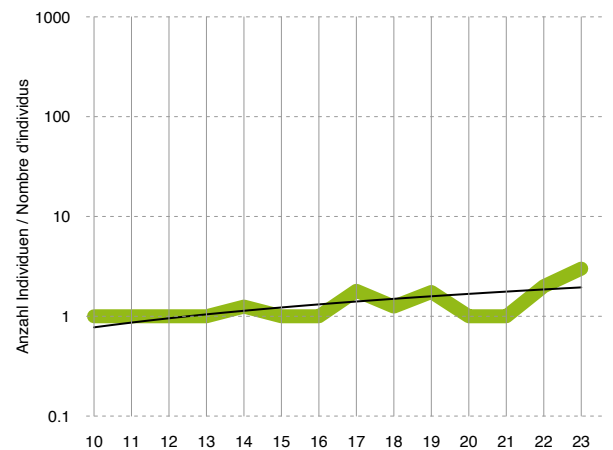
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 4
- Einzelnachweis / observation individuelle 2010–2014; N = 16
- Einzelnachweis / observation individuelle 2015–2019; N = 11
- Einzelnachweis / observation individuelle 2020–2024; N = 8

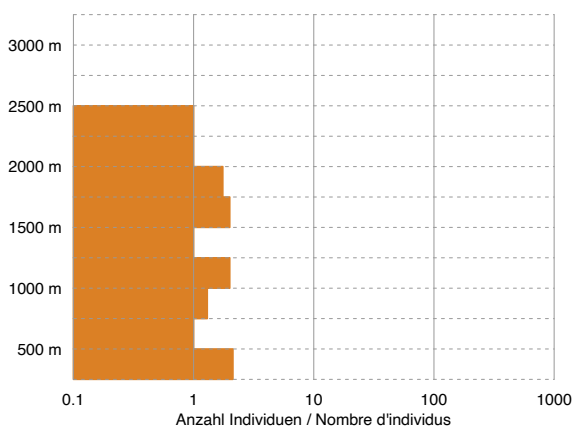


Entwicklung / Évolution

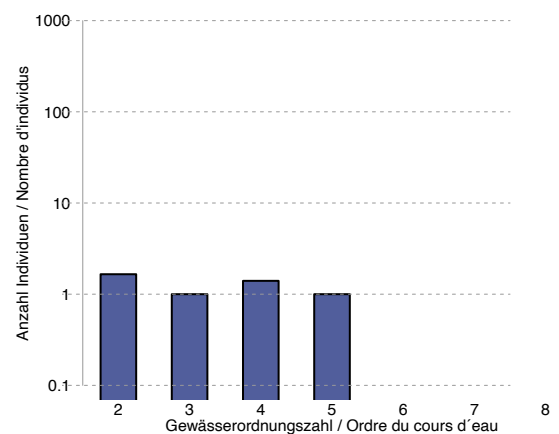
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

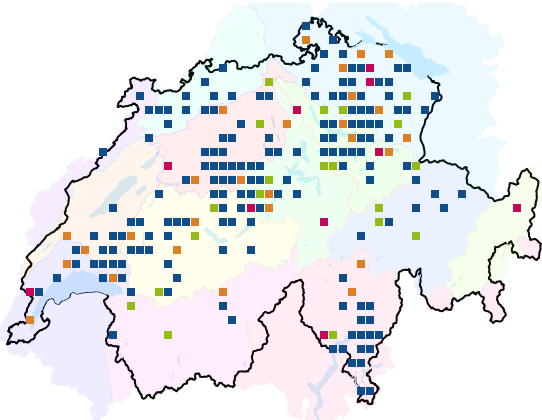


Hydropsychidae

Indikatorgruppe:

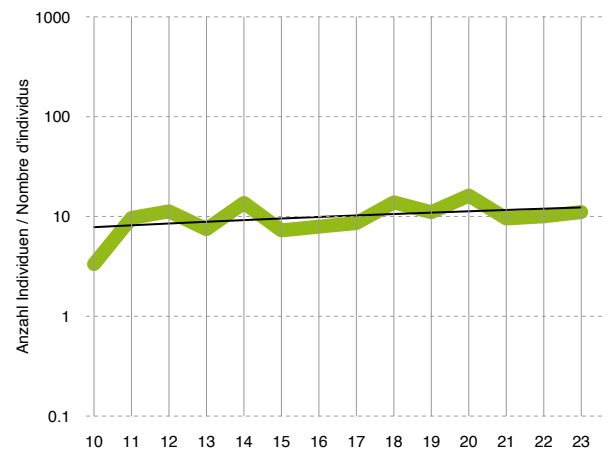
3

- Mehrere Nachweise / multiples observations 2010–2024; N = 160
- Einzelnachweis / observation individuelle 2010–2014; N = 10
- Einzelnachweis / observation individuelle 2015–2019; N = 27
- Einzelnachweis / observation individuelle 2020–2024; N = 20

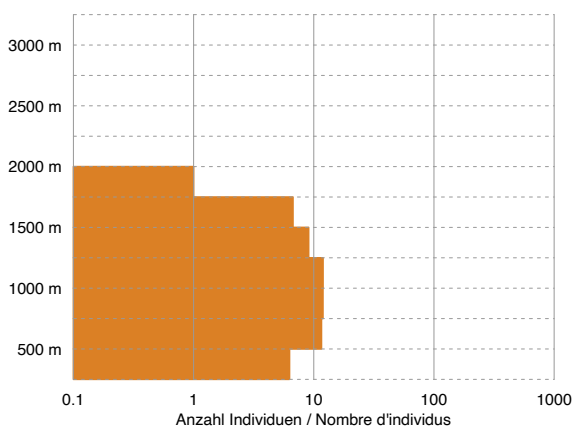


Entwicklung / Évolution

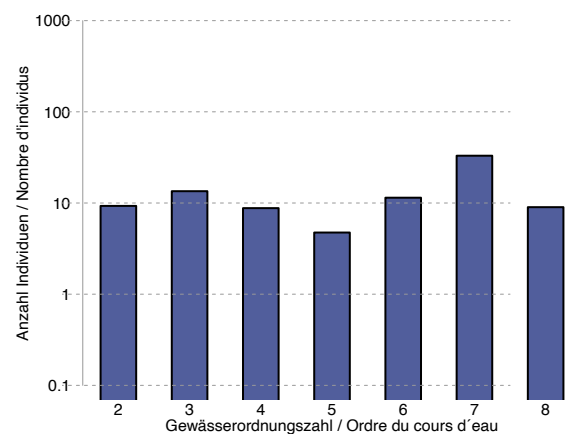
Mittelwert / Moyenne 2018–2023: 10 Ind.



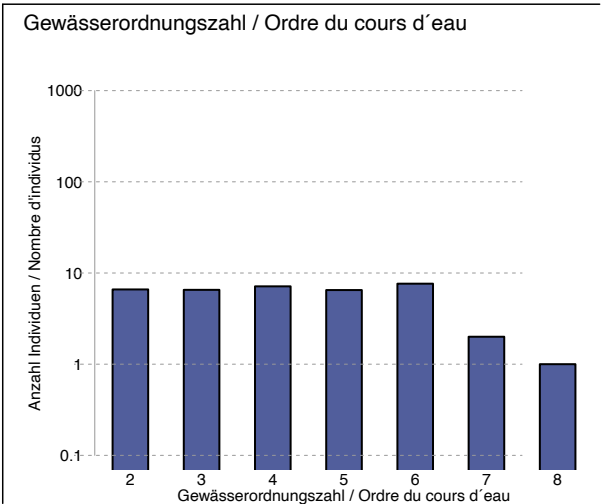
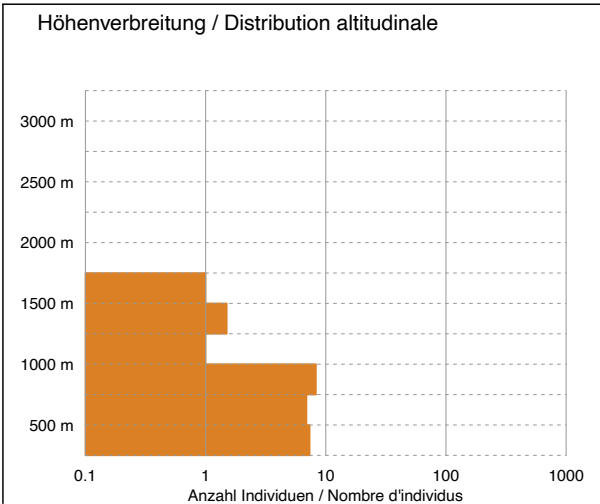
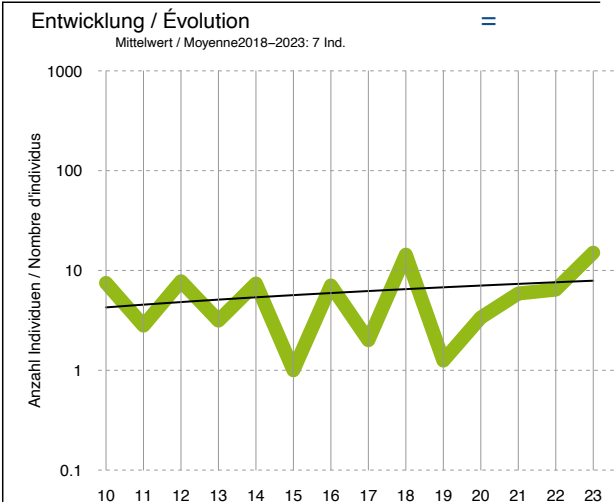
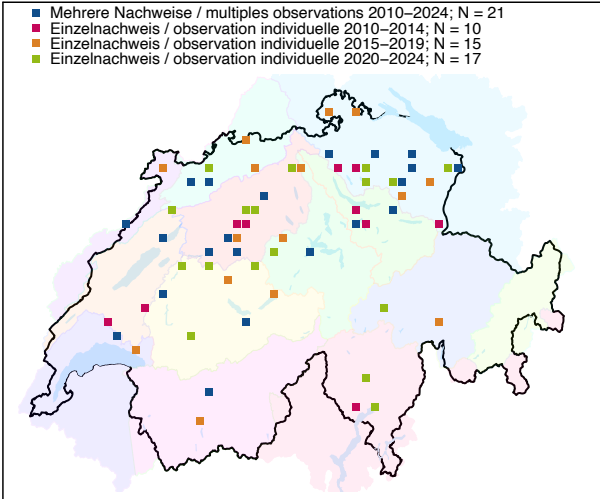
Höhenverbreitung / Distribution altitudinale



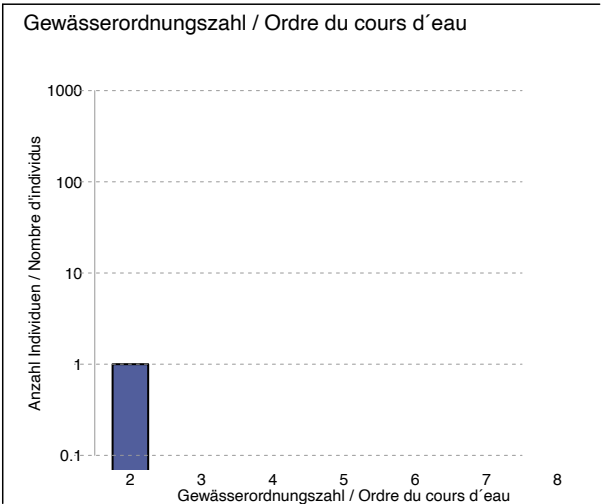
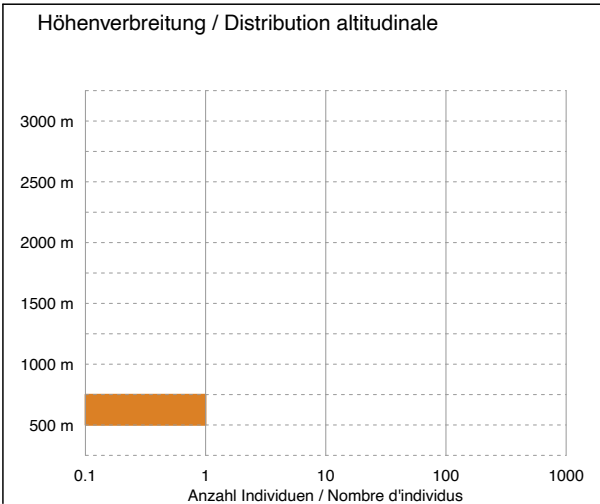
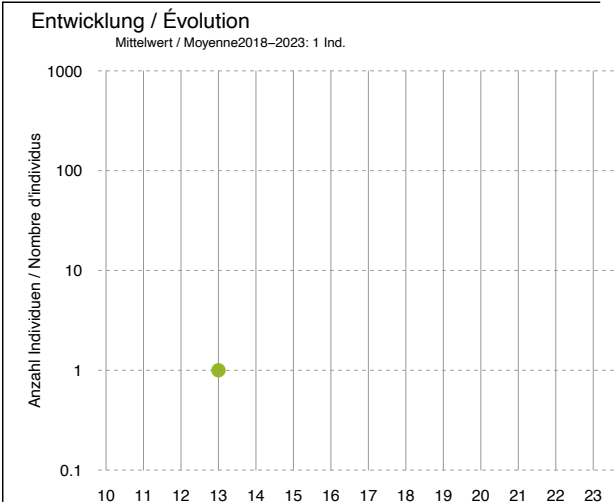
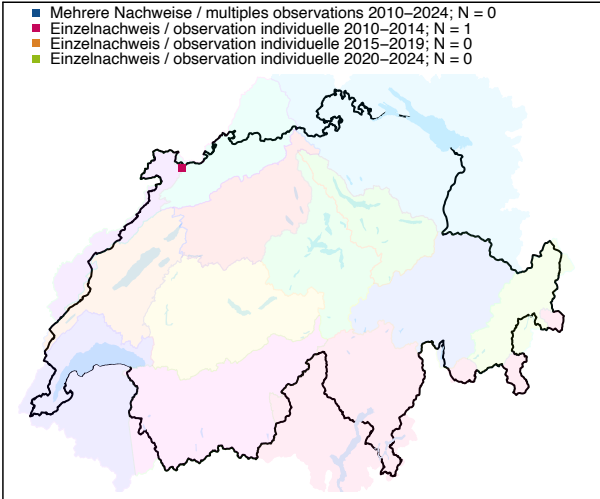
Gewässerordnungszahl / Ordre du cours d'eau



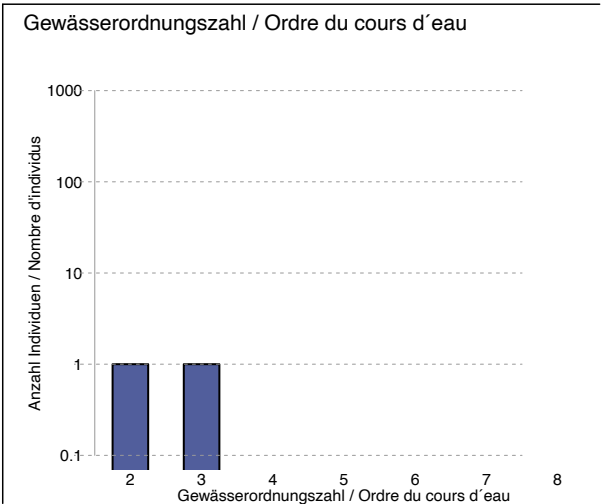
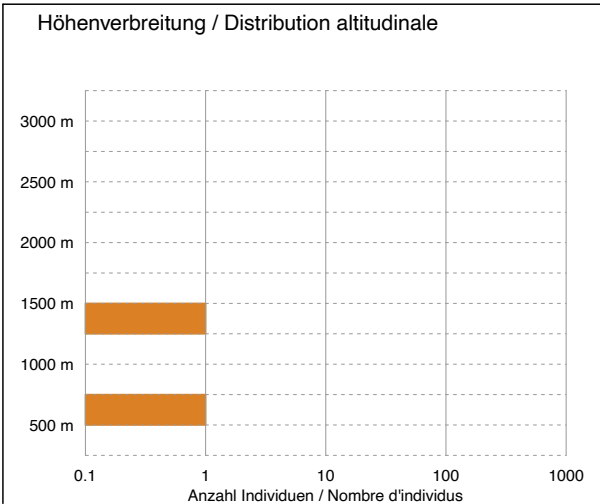
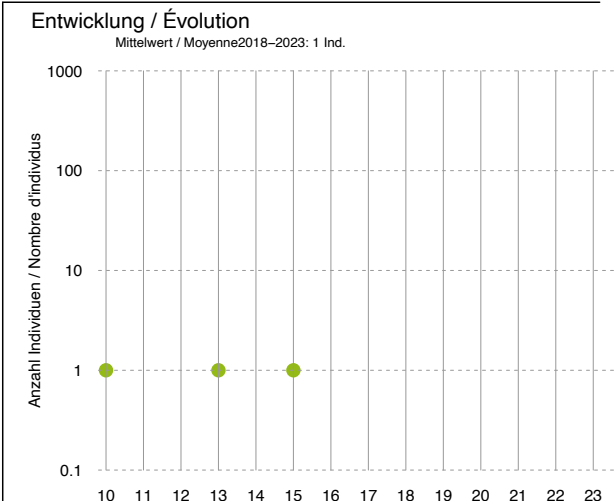
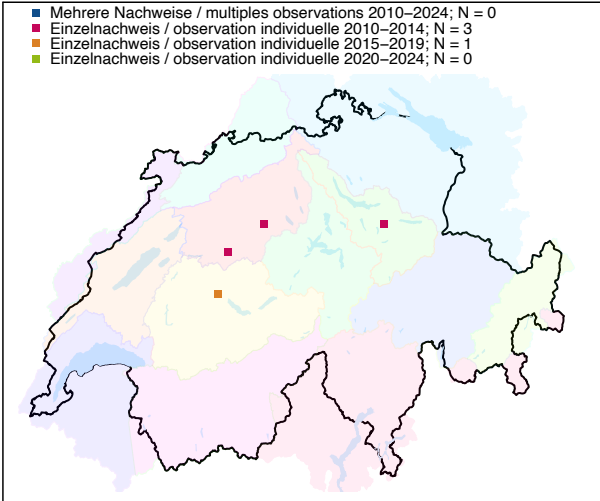
Indikatorgruppe: 5



Indikatorgruppe: NA



Indikatorgruppe: NA

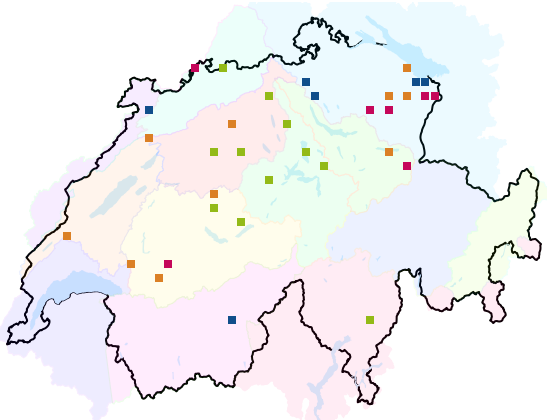


Lepidostomatidae

Indikatorgruppe:

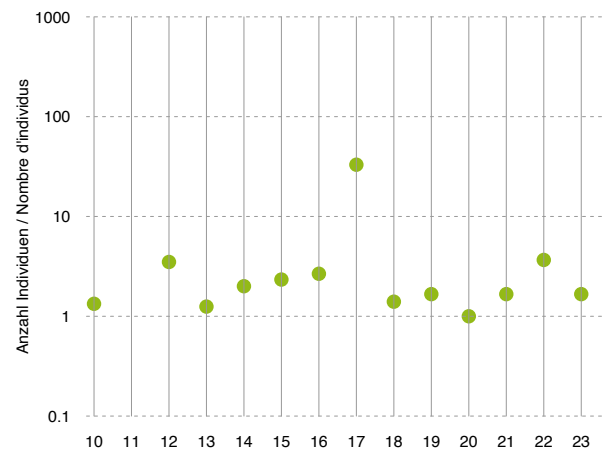
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 6
- Einzelnachweis / observation individuelle 2010–2014; N = 7
- Einzelnachweis / observation individuelle 2015–2019; N = 10
- Einzelnachweis / observation individuelle 2020–2024; N = 11

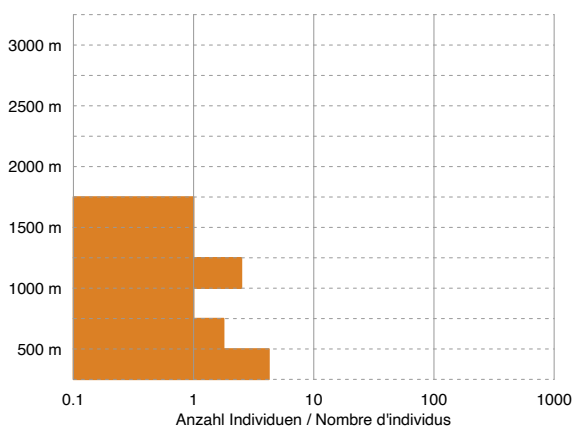


Entwicklung / Évolution

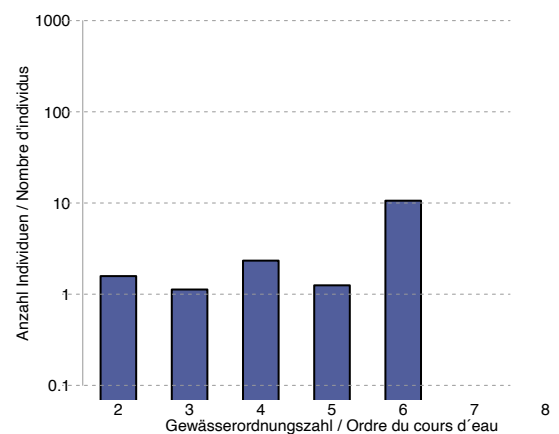
Mittelwert / Moyenne 2018–2023: 3 Ind.



Höhenverbreitung / Distribution altitudinale

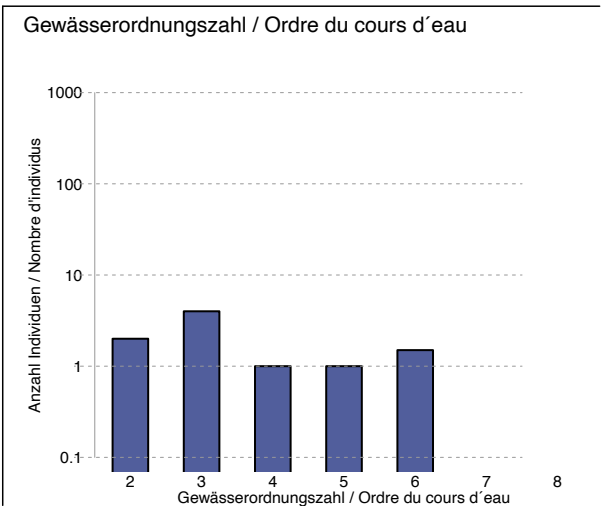
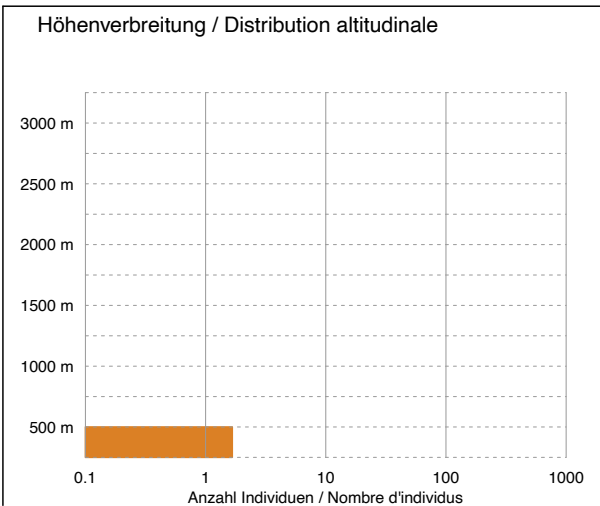
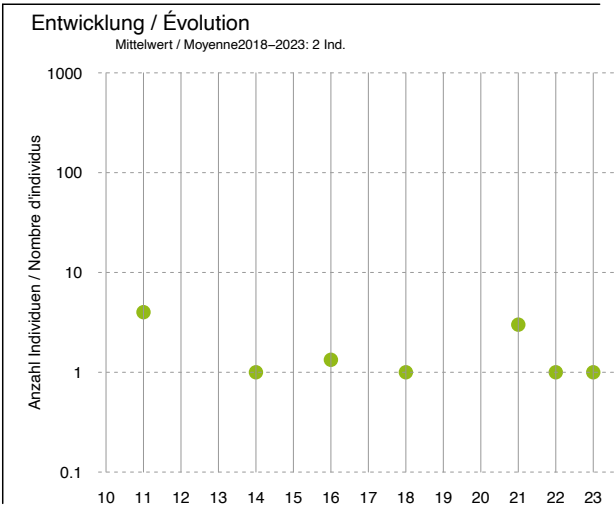
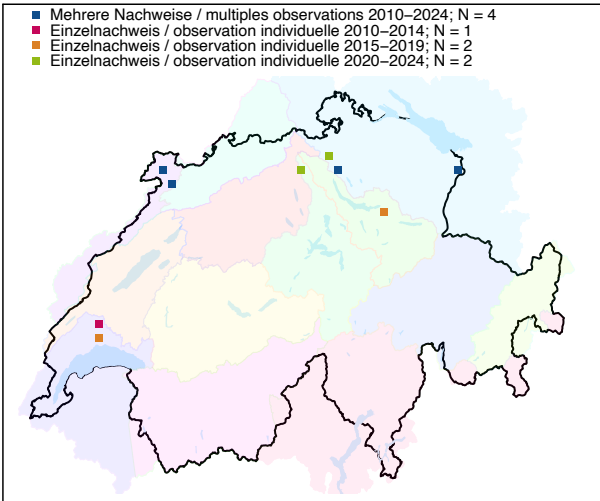


Gewässerordnungszahl / Ordre du cours d'eau



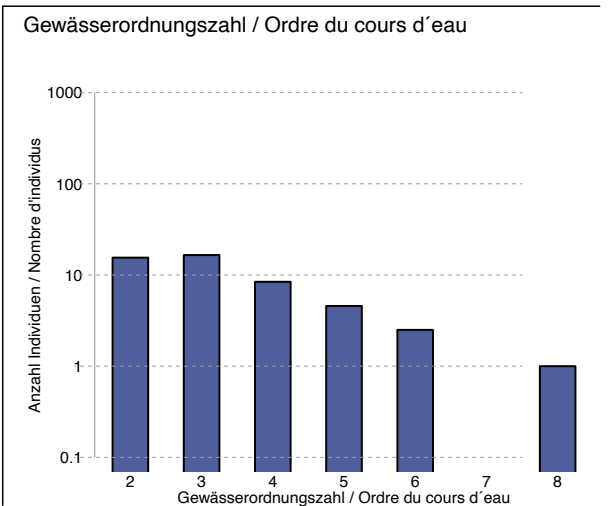
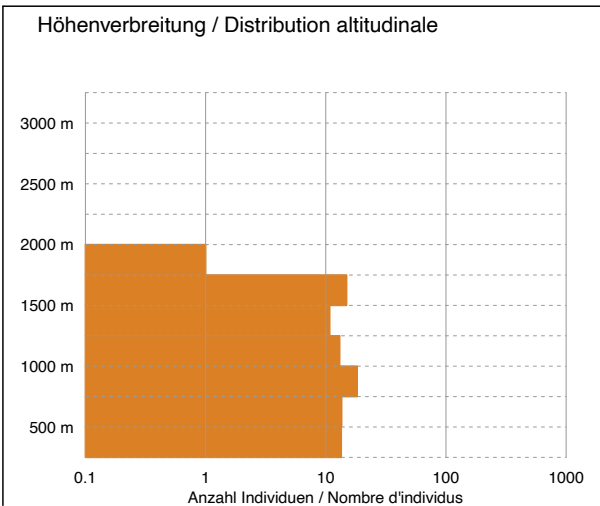
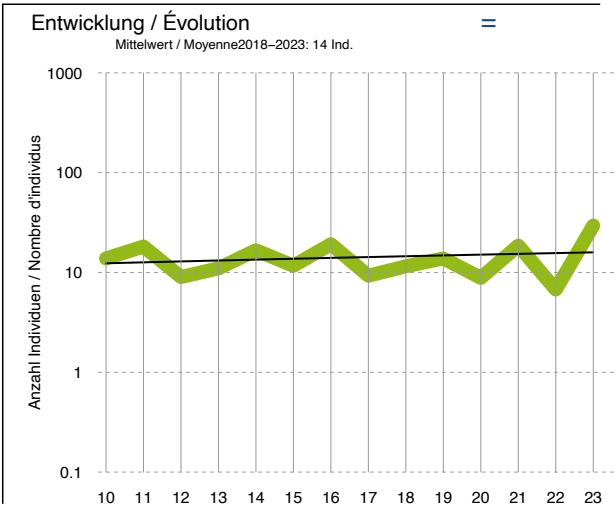
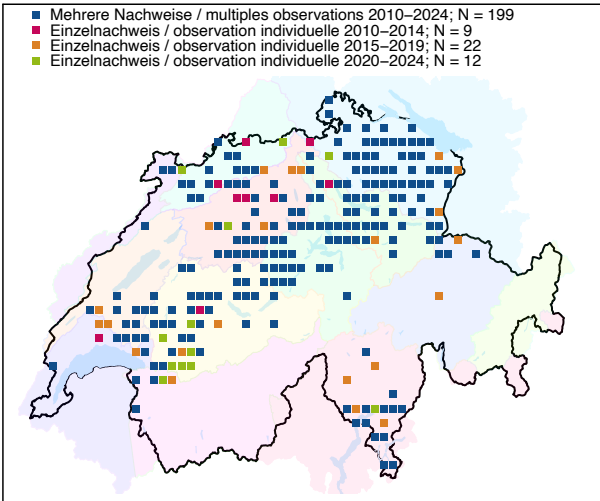
Leptoceridae

Indikatorgruppe: NA

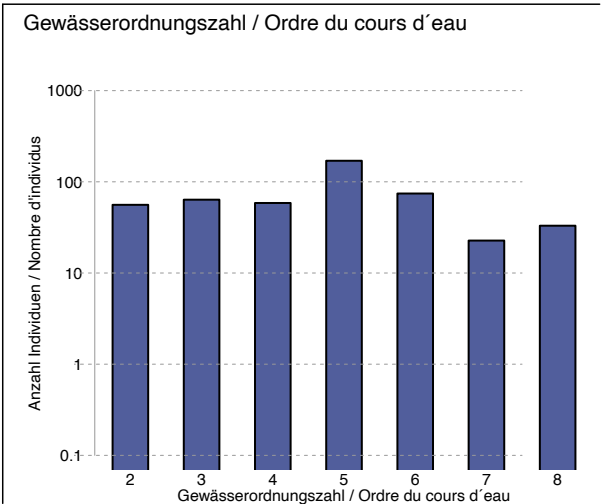
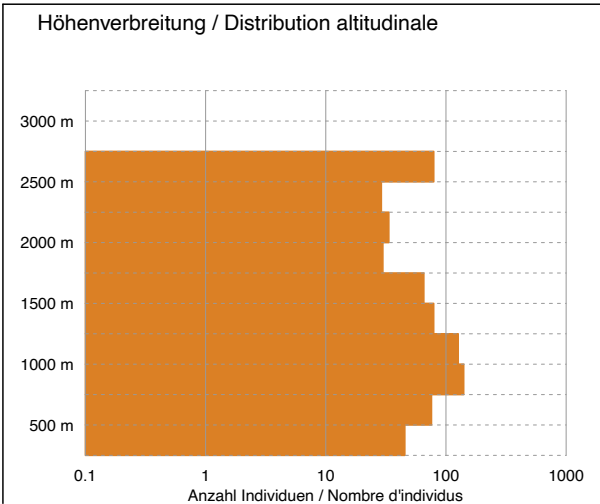
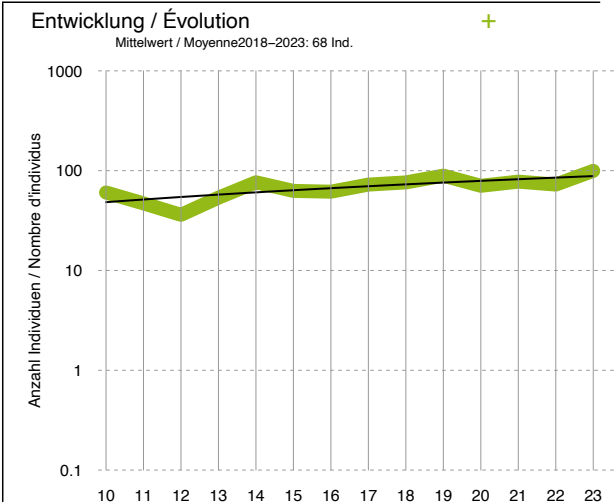
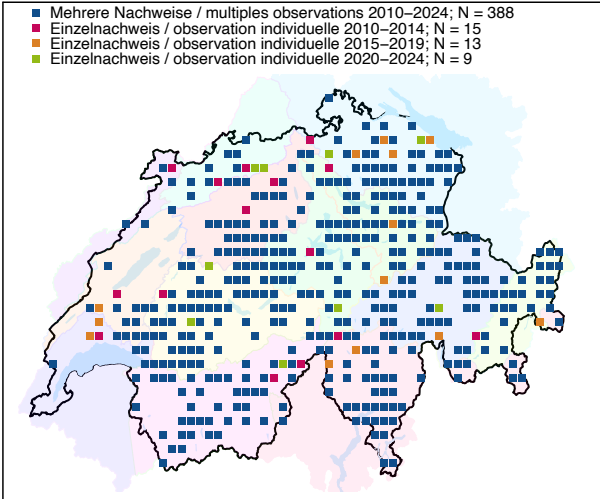


Leptophlebiidae

Indikatorgruppe: NA



Indikatorgruppe: 6

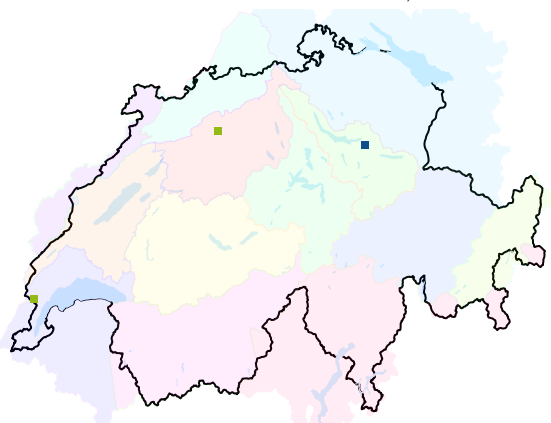


Libellulidae

Indikatorgruppe:

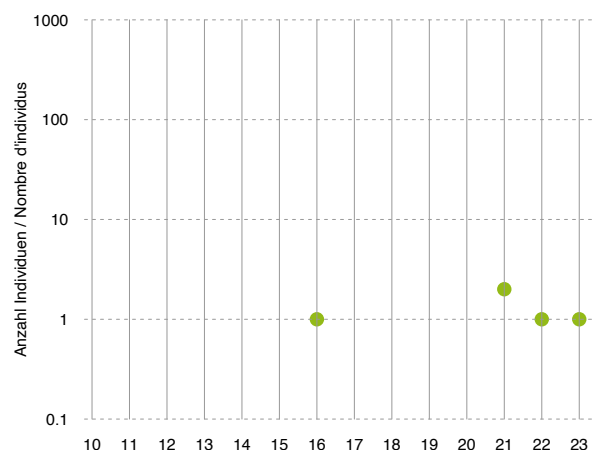
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 1
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 2

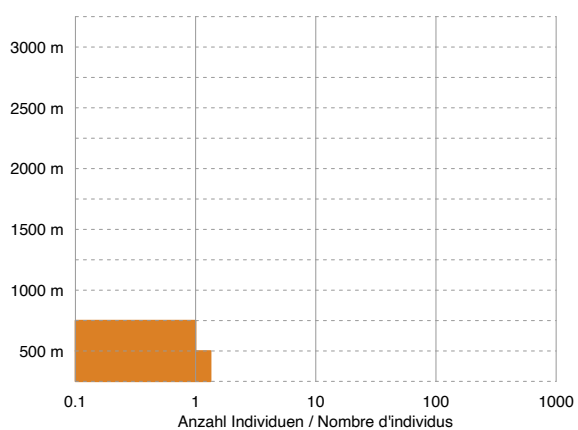


Entwicklung / Évolution

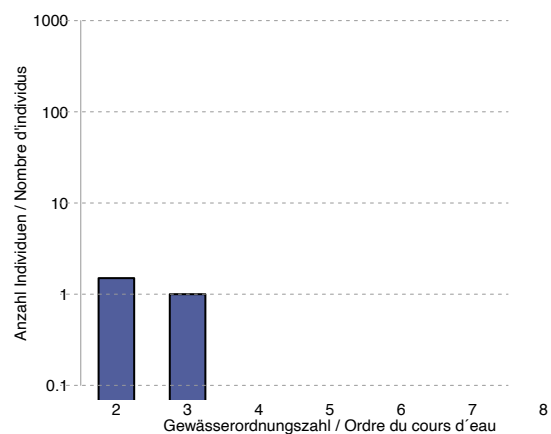
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

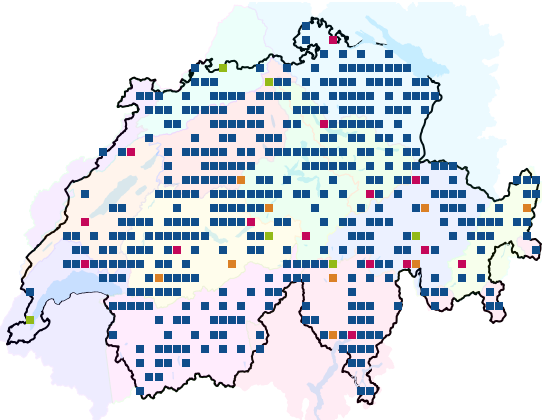


Limnephilidae

Indikatorgruppe:

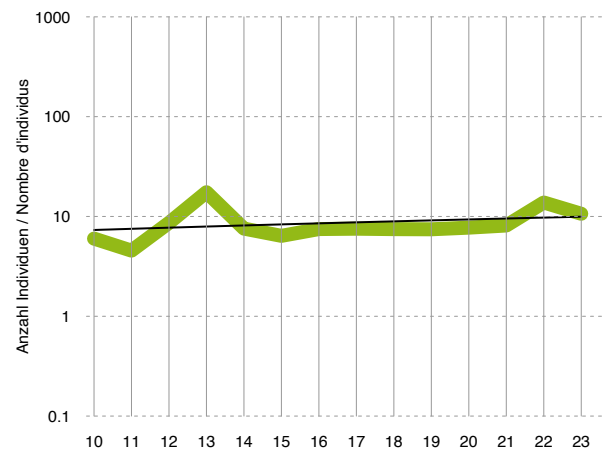
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- Einzelnachweis / observation individuelle 2010–2014; N = 15
- Einzelnachweis / observation individuelle 2015–2019; N = 9
- Einzelnachweis / observation individuelle 2020–2024; N = 6

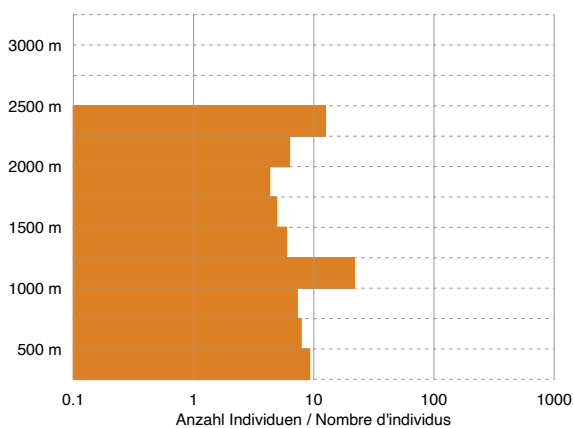


Entwicklung / Évolution

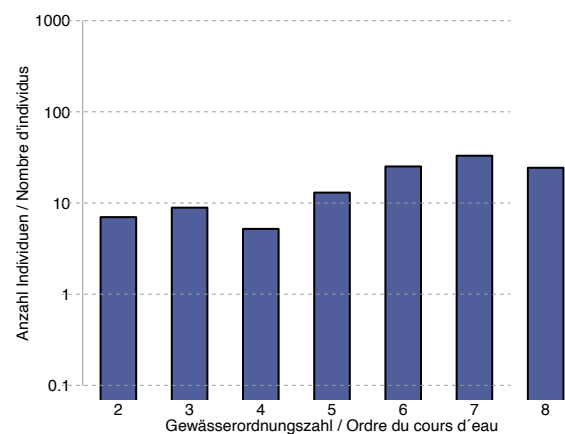
Mittelwert / Moyenne 2018–2023: 9 Ind.



Höhenverbreitung / Distribution altitudinale

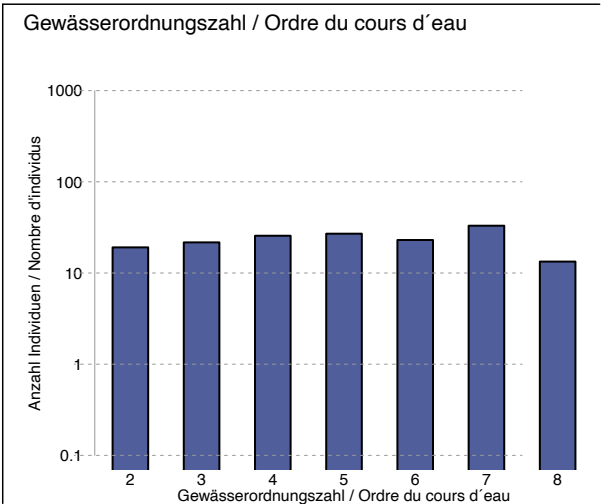
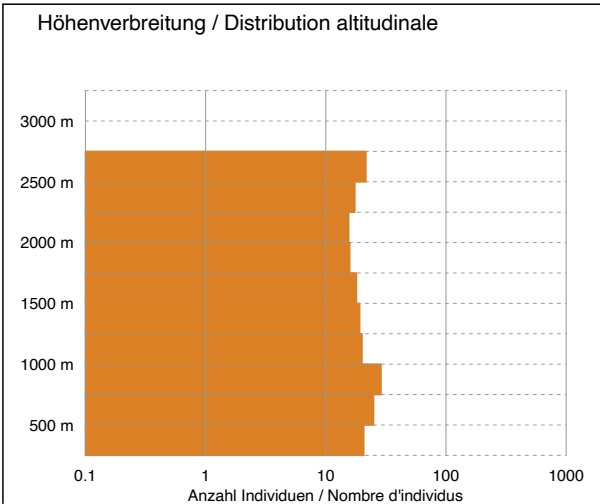
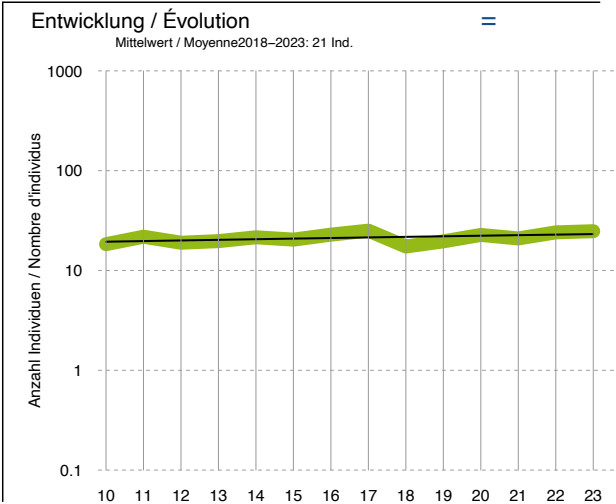
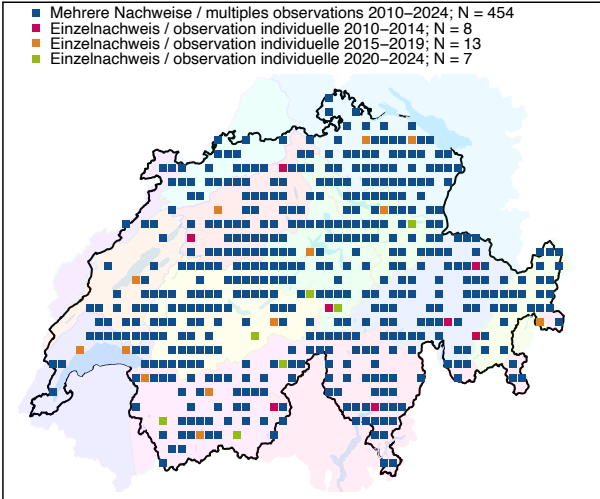


Gewässerordnungszahl / Ordre du cours d'eau

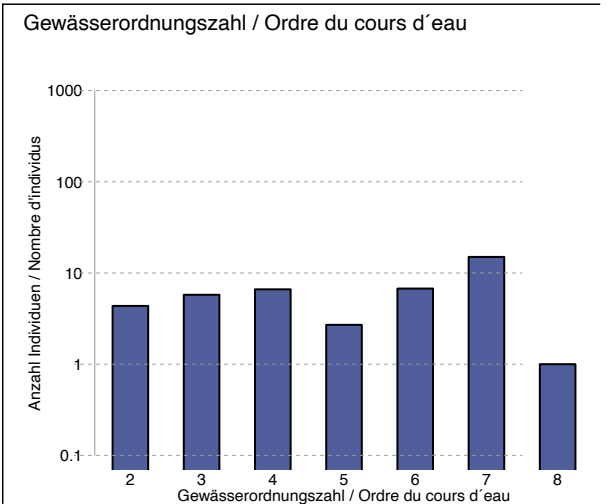
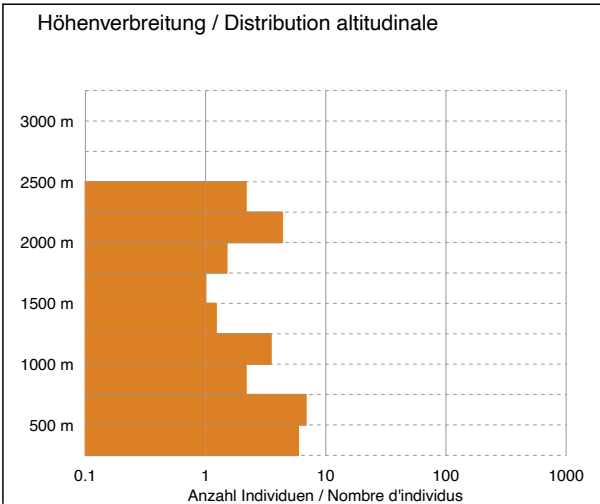
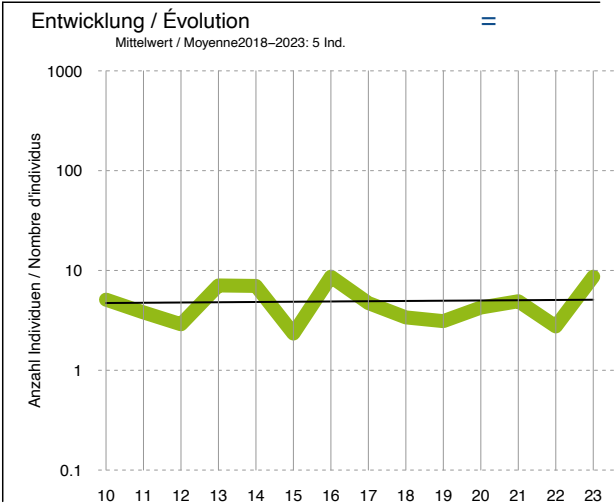
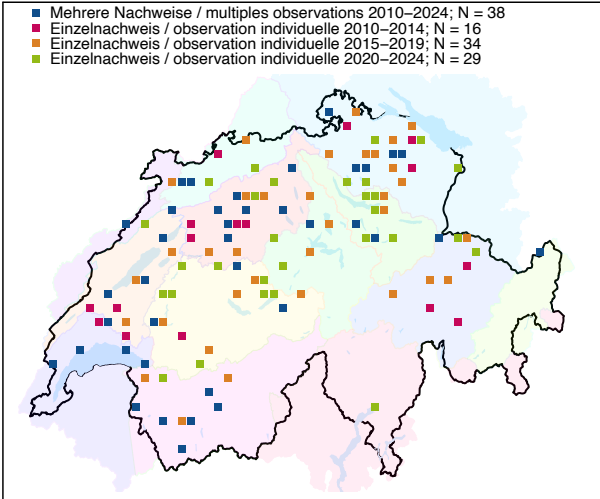


Limoniidae/Pediciidae

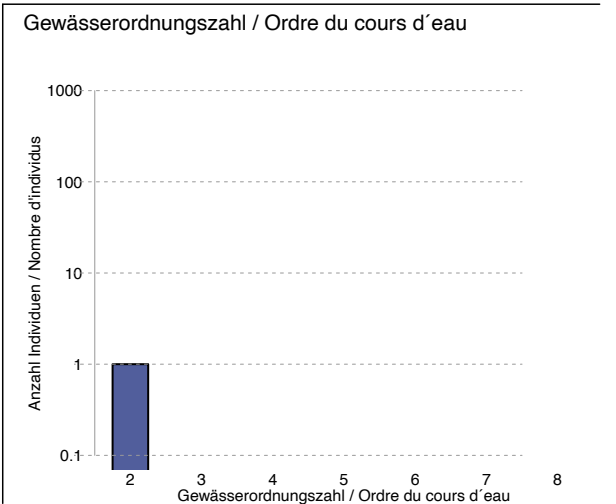
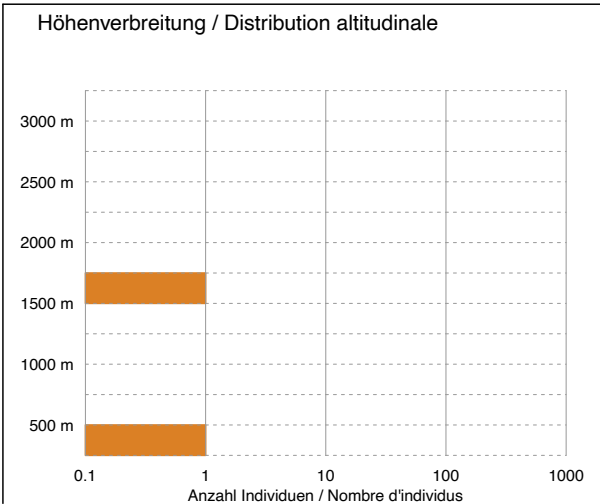
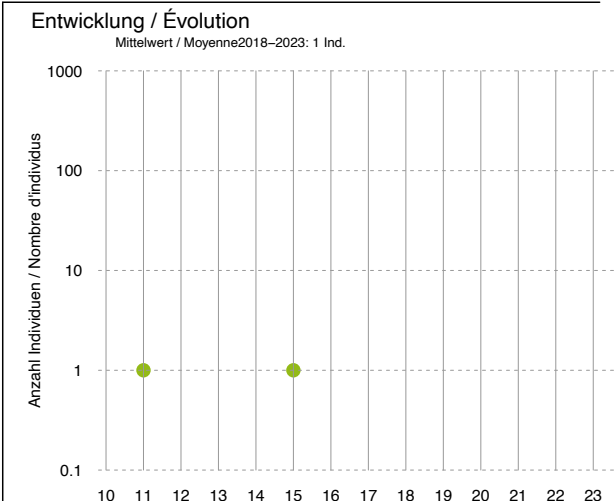
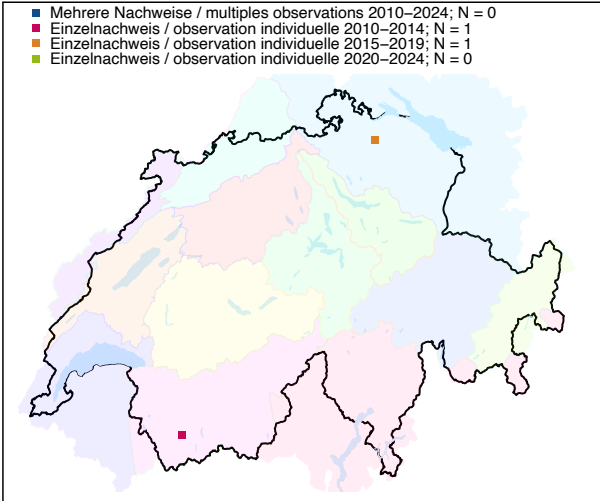
Indikatorgruppe: 0



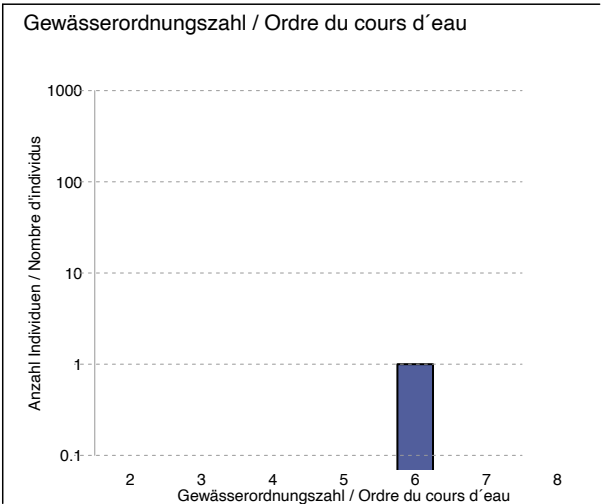
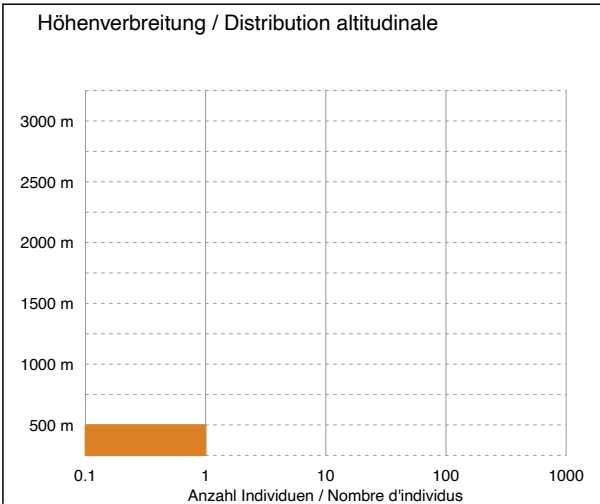
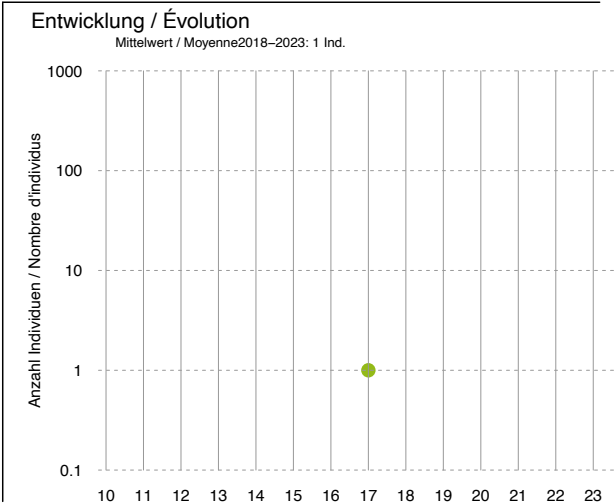
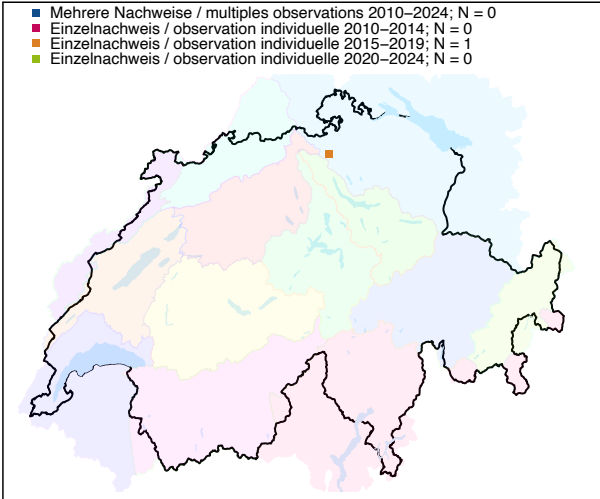
Indikatorgruppe: 2



Indikatorgruppe: NA

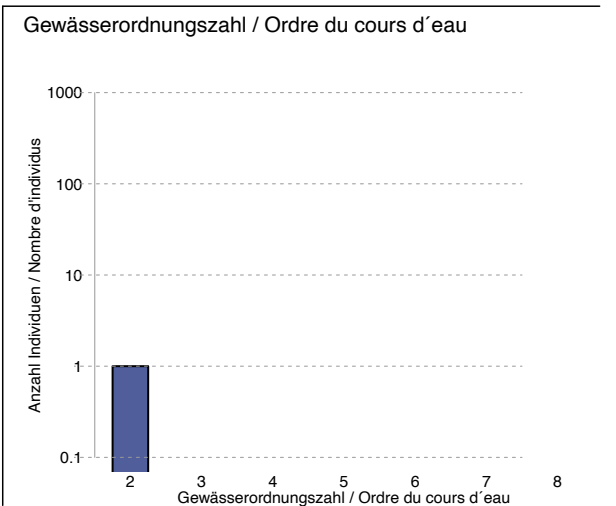
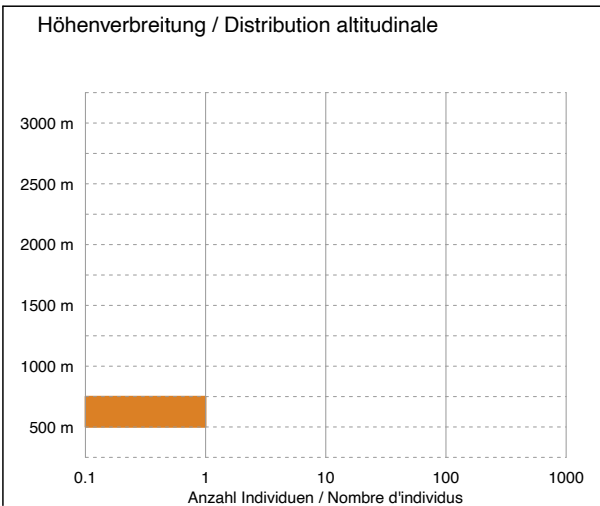
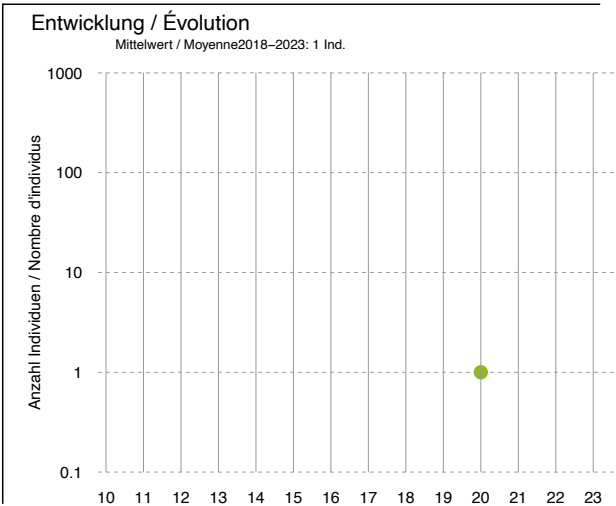
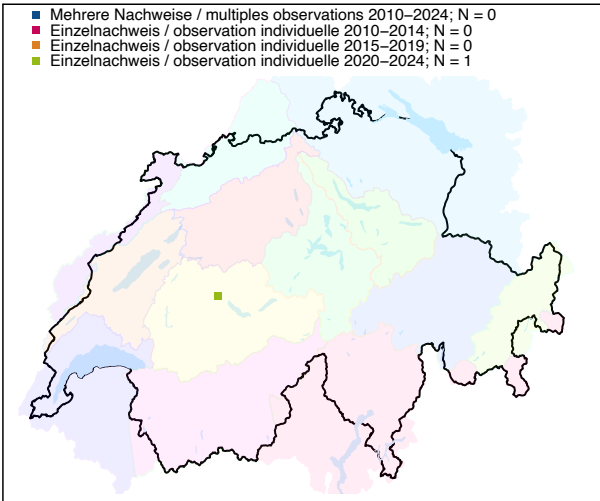


Indikatorgruppe: NA

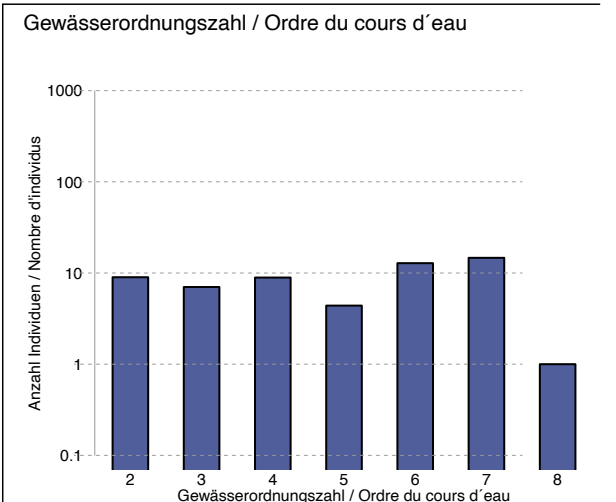
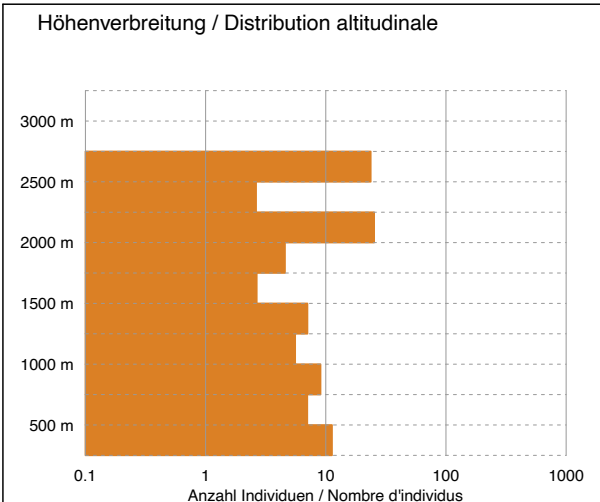
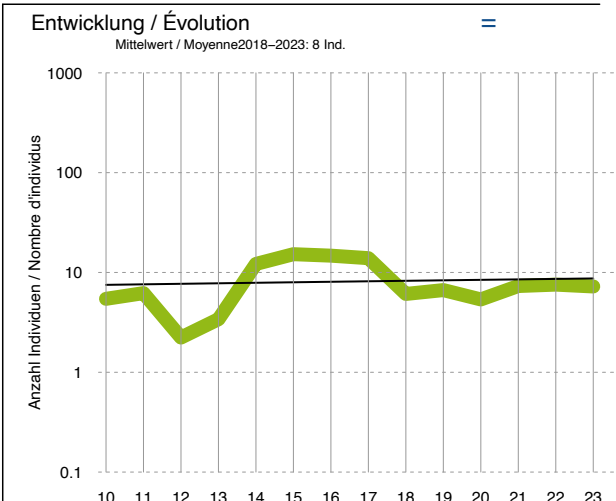
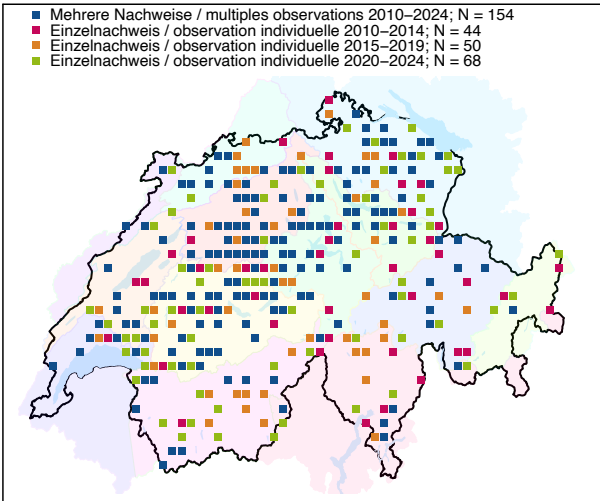


Naucoridae

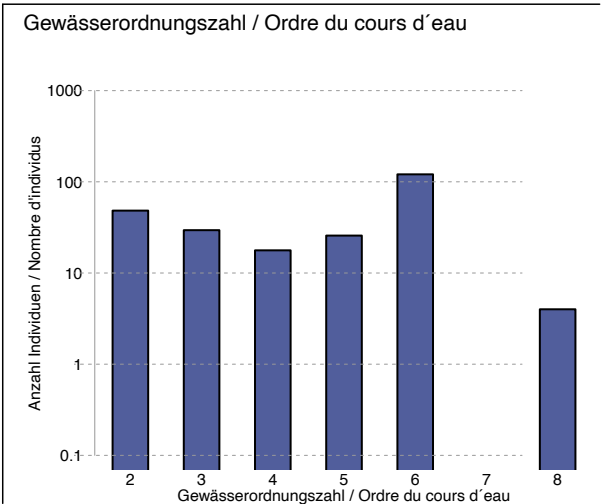
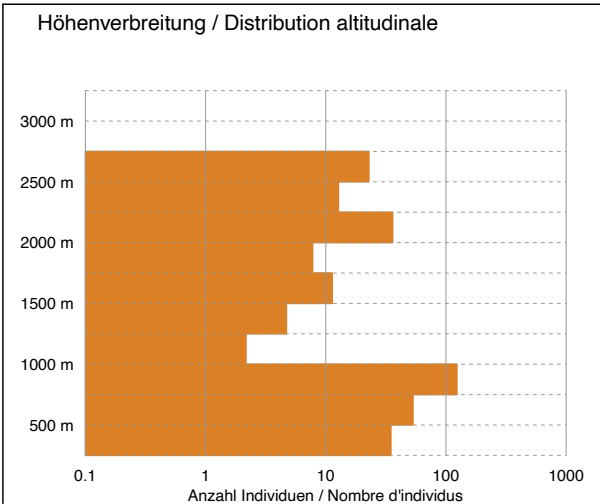
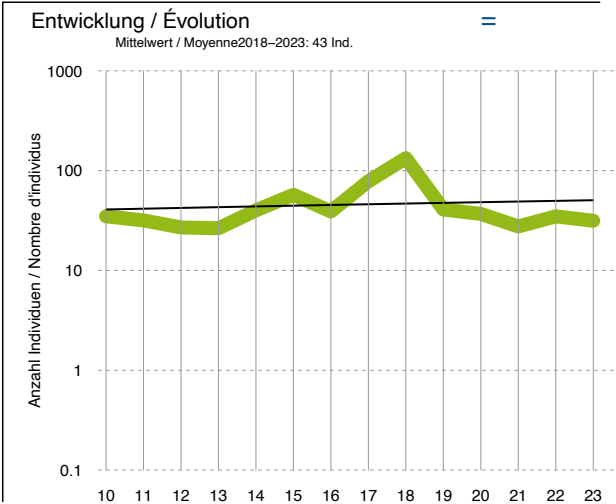
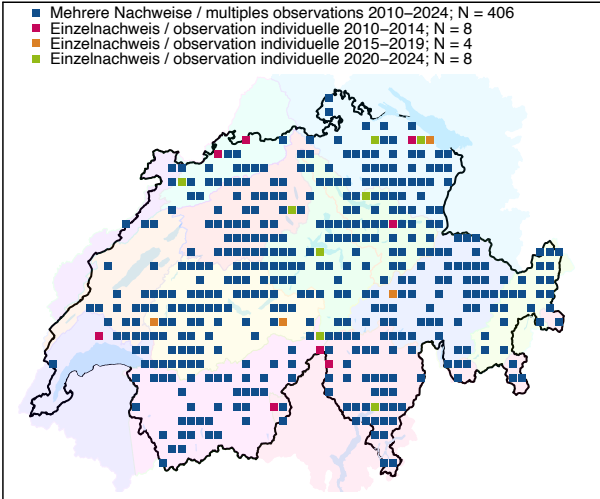
Indikatorgruppe: NA



Indikatorgruppe: 0



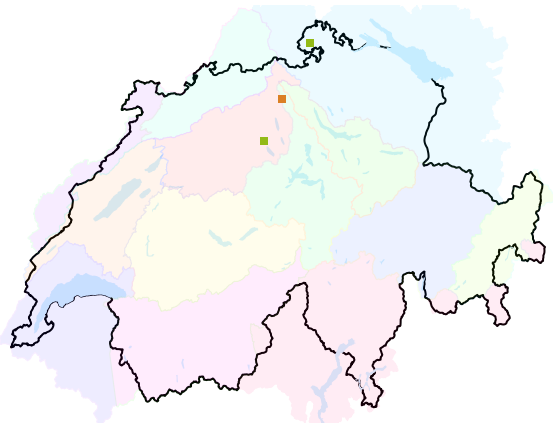
Indikatorgruppe: 5



Indikatorgruppe:

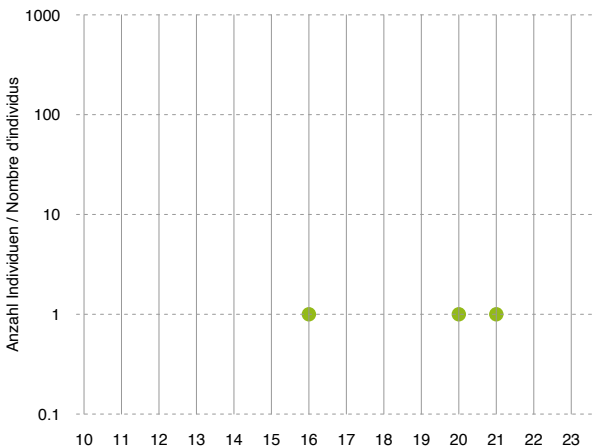
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 1
- Einzelnachweis / observation individuelle 2020–2024; N = 2

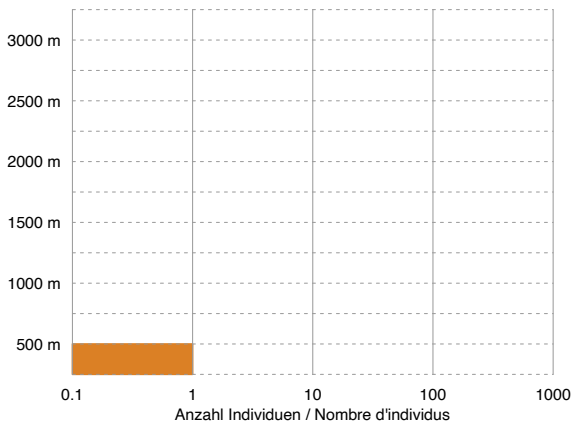


Entwicklung / Évolution

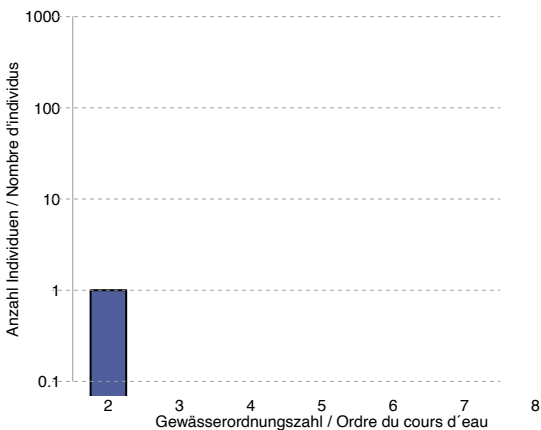
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale

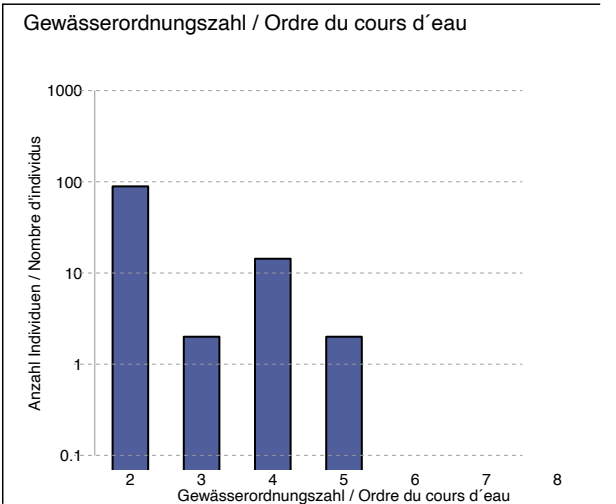
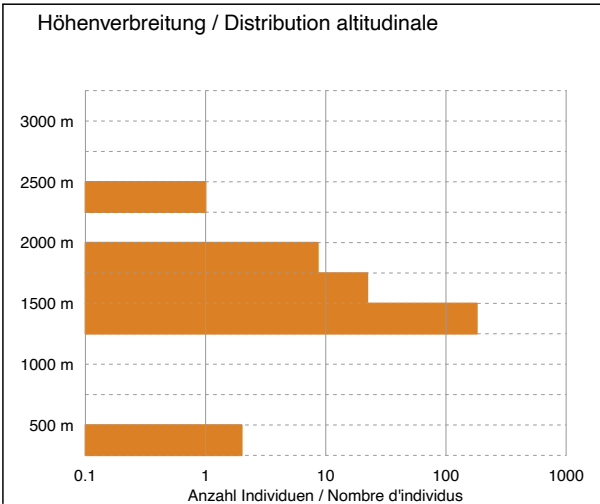
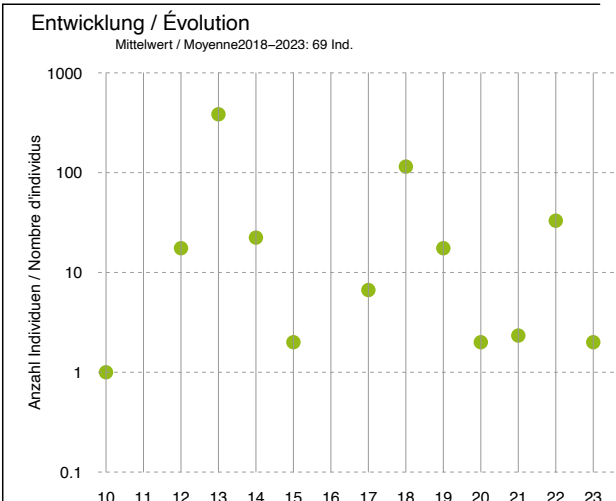
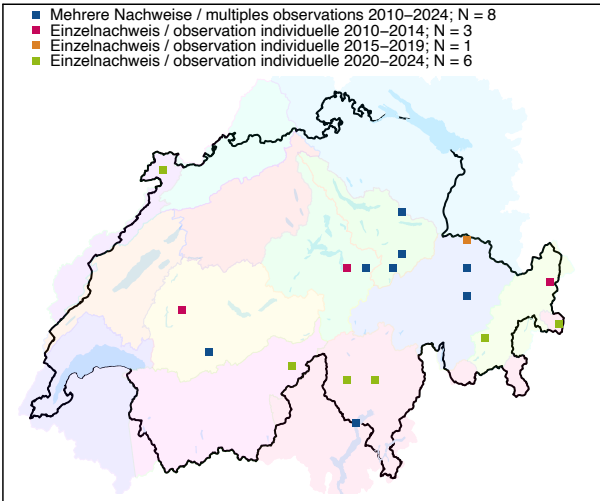


Gewässerordnungszahl / Ordre du cours d'eau



Niphargidae

Indikatorgruppe: NA

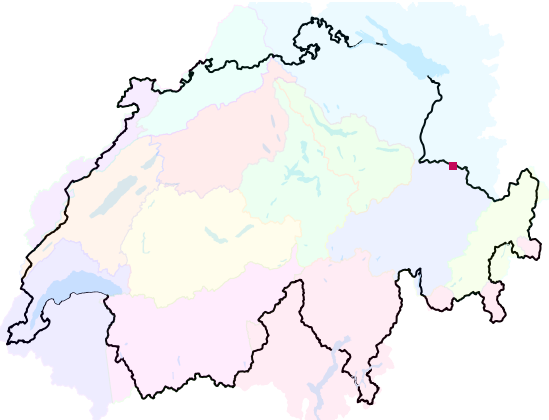


Notonectidae

Indikatorgruppe:

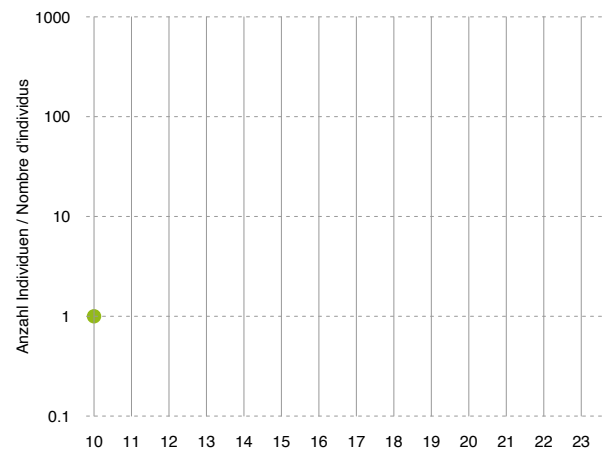
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 1
- Einzelnachweis / observation individuelle 2015–2019; N = 0
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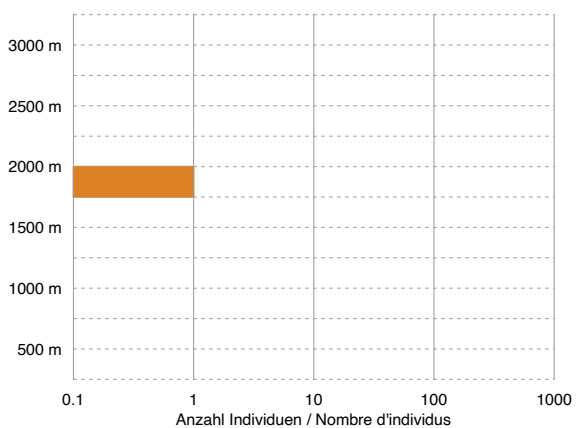


Entwicklung / Évolution

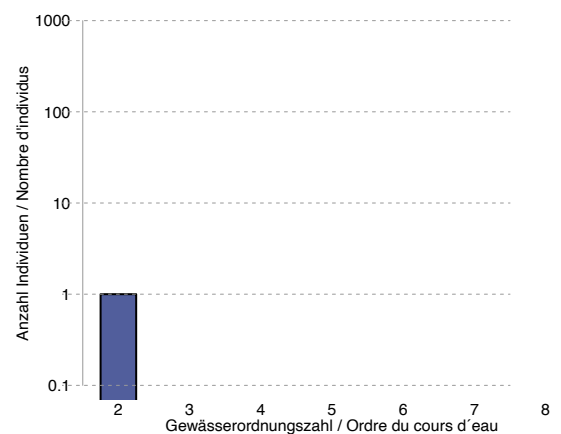
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale



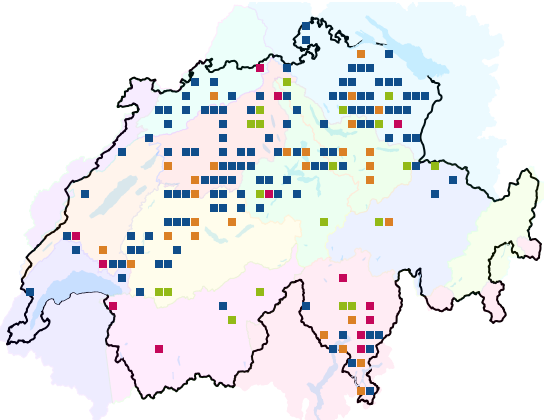
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe:

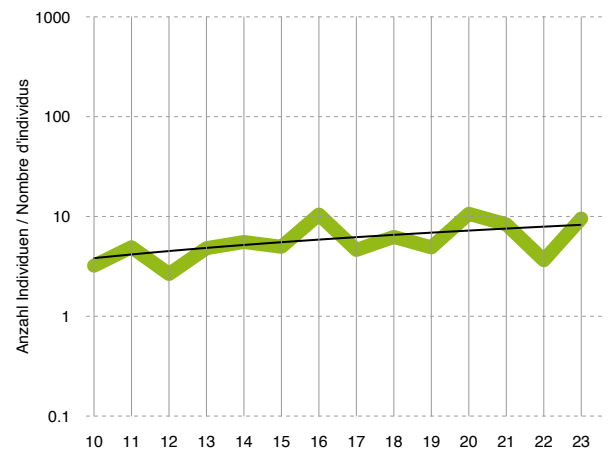
7

- Mehrere Nachweise / multiples observations 2010–2024; N = 118
- Einzelnachweis / observation individuelle 2010–2014; N = 13
- Einzelnachweis / observation individuelle 2015–2019; N = 28
- Einzelnachweis / observation individuelle 2020–2024; N = 19

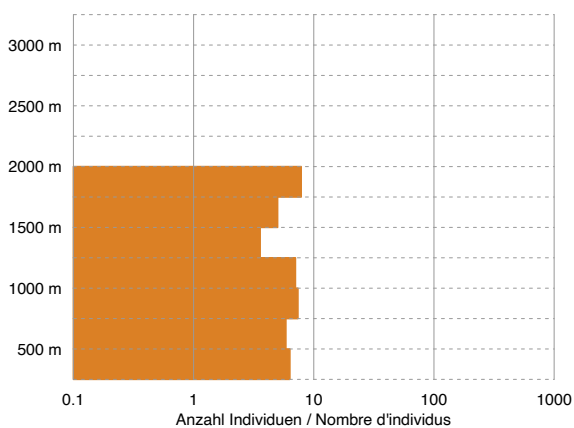


Entwicklung / Évolution

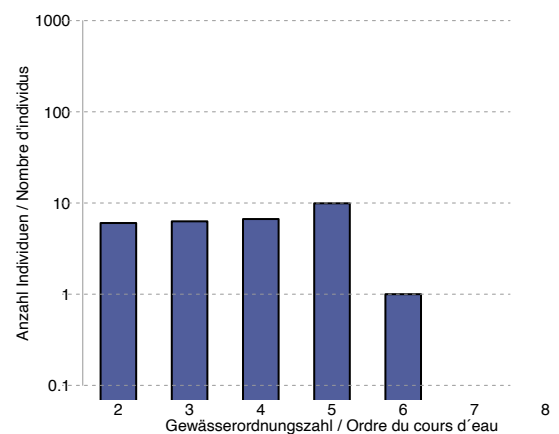
Mittelwert / Moyenne 2018–2023: 6 Ind.



Höhenverbreitung / Distribution altitudinale



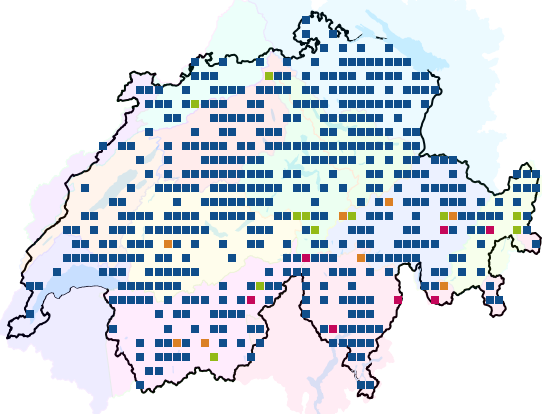
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe:

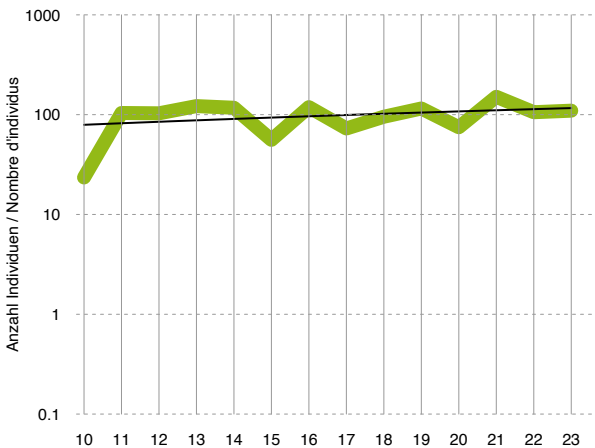
1

- Mehrere Nachweise / multiples observations 2010–2024; N = 461
- Einzelnachweis / observation individuelle 2010–2014; N = 7
- Einzelnachweis / observation individuelle 2015–2019; N = 8
- Einzelnachweis / observation individuelle 2020–2024; N = 11

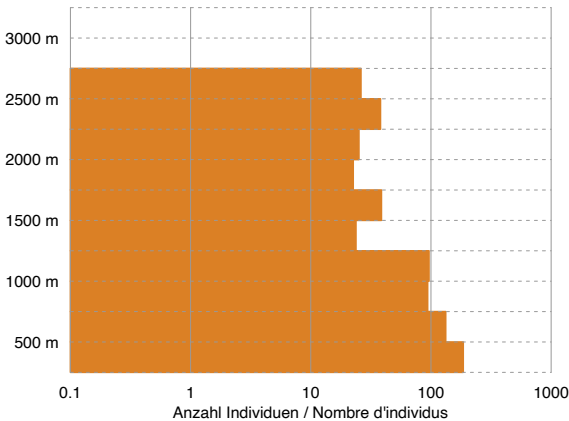


Entwicklung / Évolution

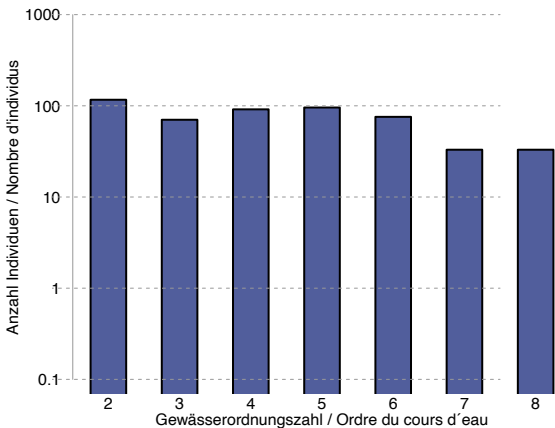
Mittelwert / Moyenne 2018–2023: 99 Ind.



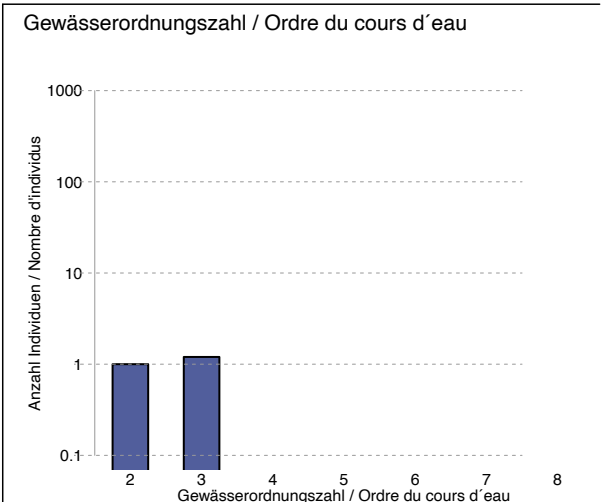
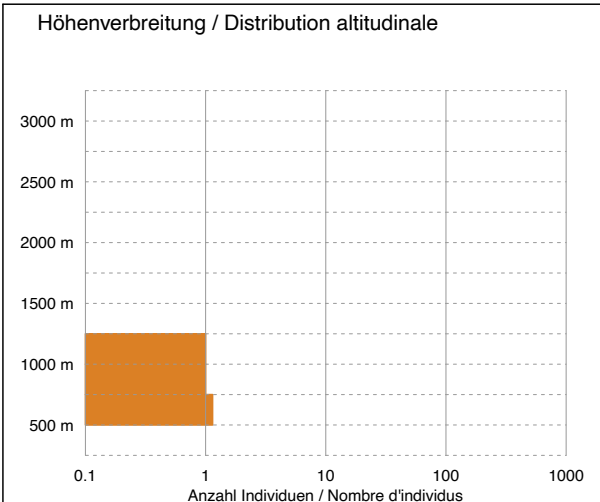
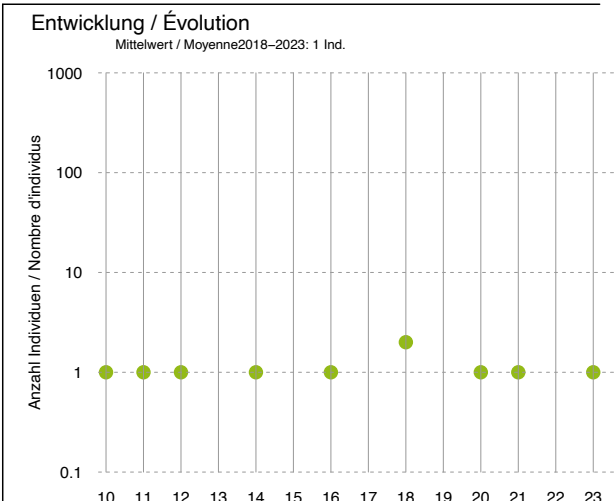
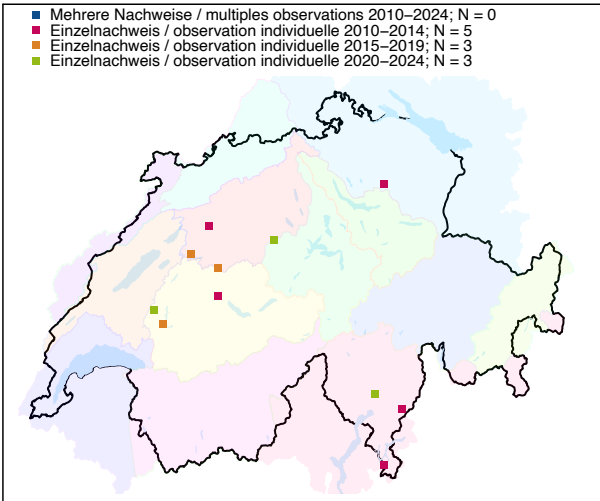
Höhenverbreitung / Distribution altitudinale



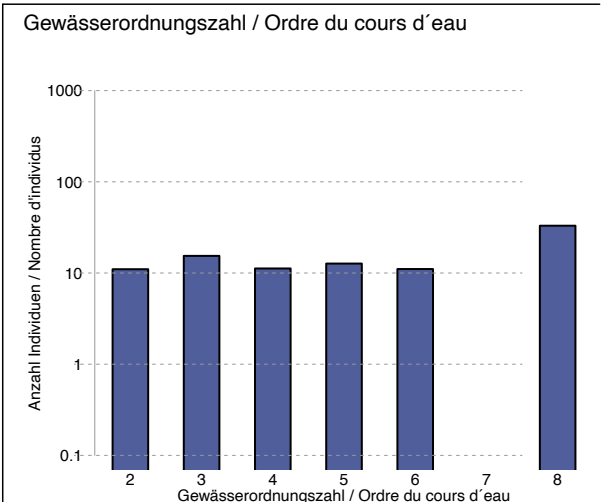
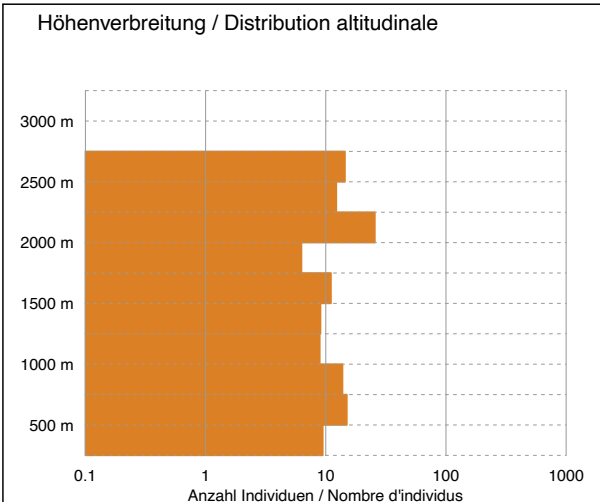
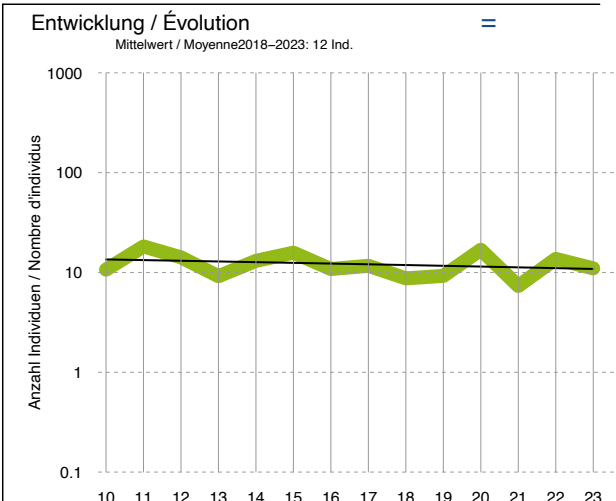
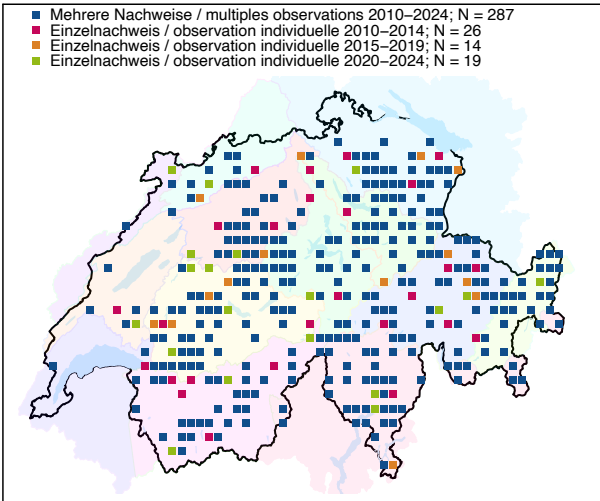
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe: NA



Indikatorgruppe: 9

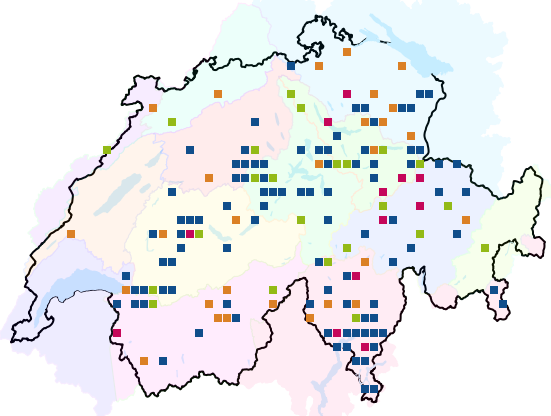


Philopotamidae

Indikatorgruppe:

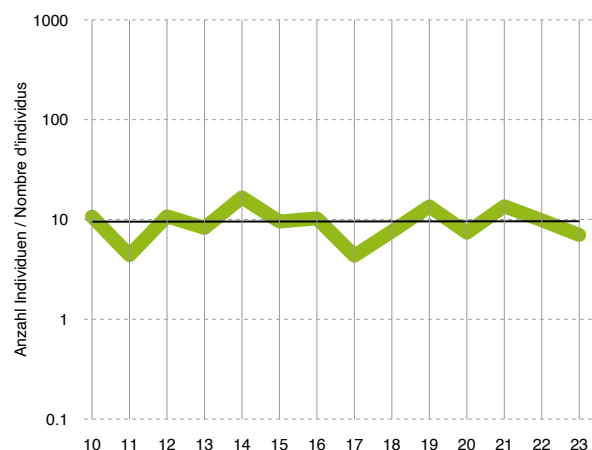
8

- Mehrere Nachweise / multiples observations 2010–2024; N = 94
- Einzelnachweis / observation individuelle 2010–2014; N = 12
- Einzelnachweis / observation individuelle 2015–2019; N = 28
- Einzelnachweis / observation individuelle 2020–2024; N = 23

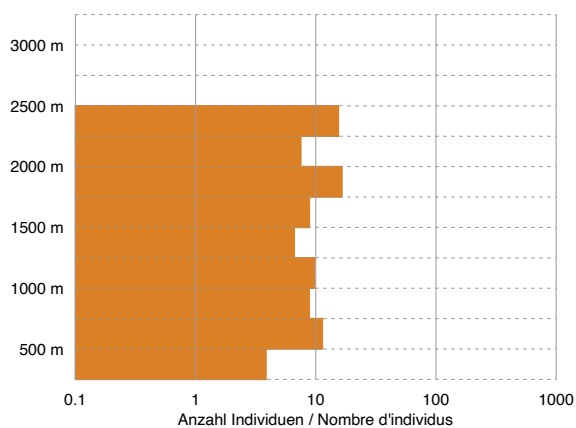


Entwicklung / Évolution

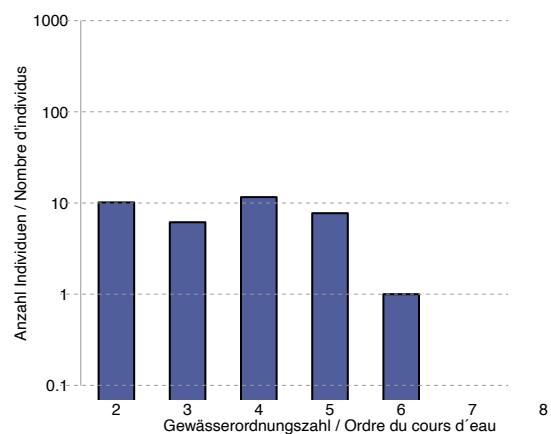
Mittelwert / Moyenne 2018–2023: 9 Ind.



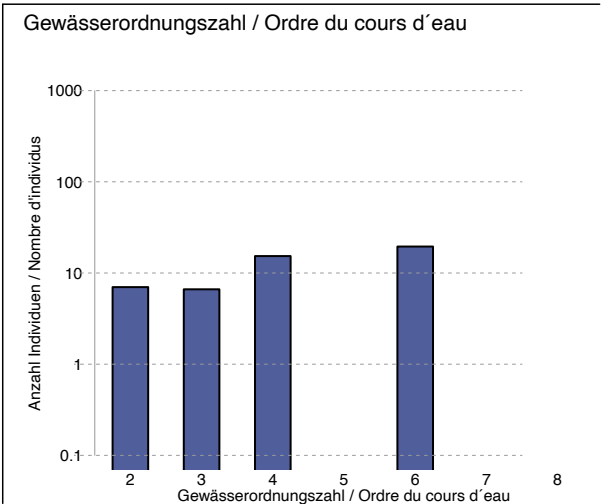
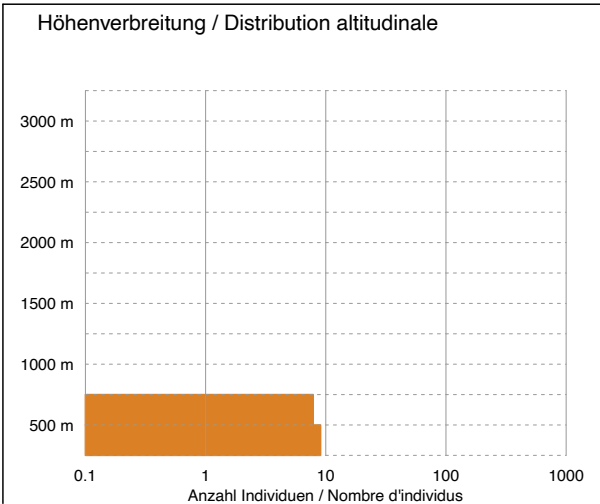
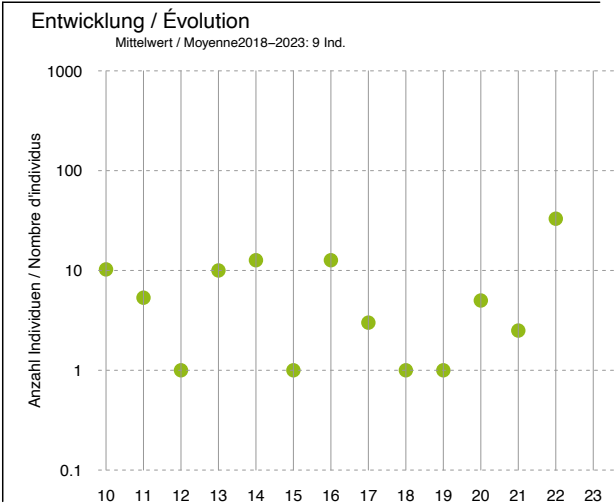
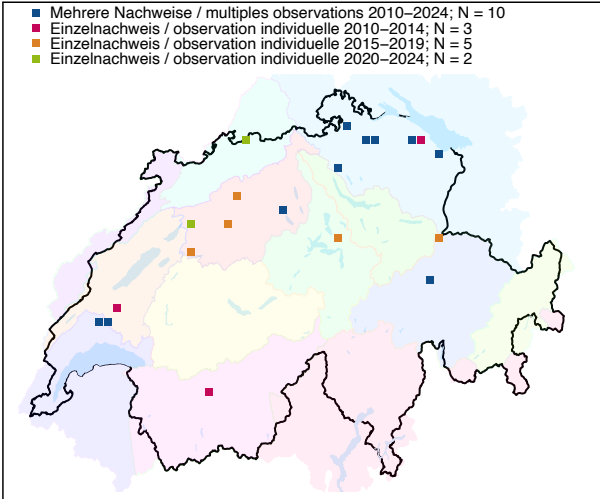
Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

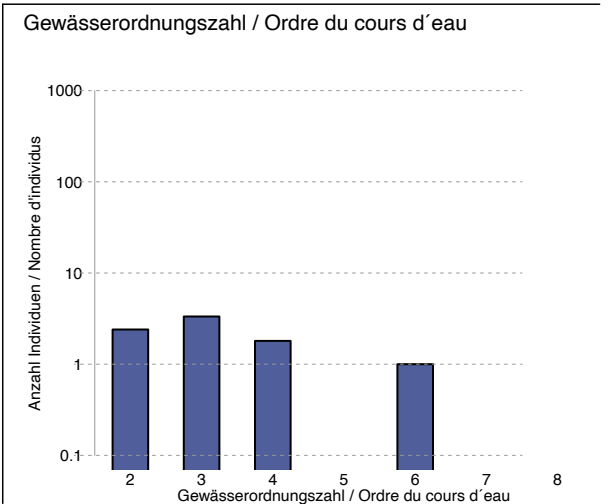
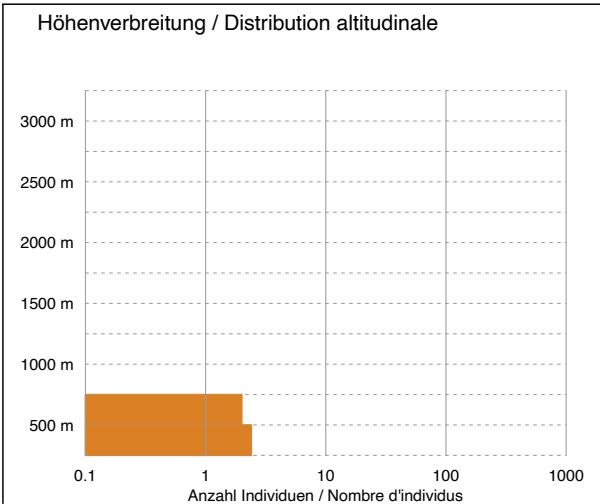
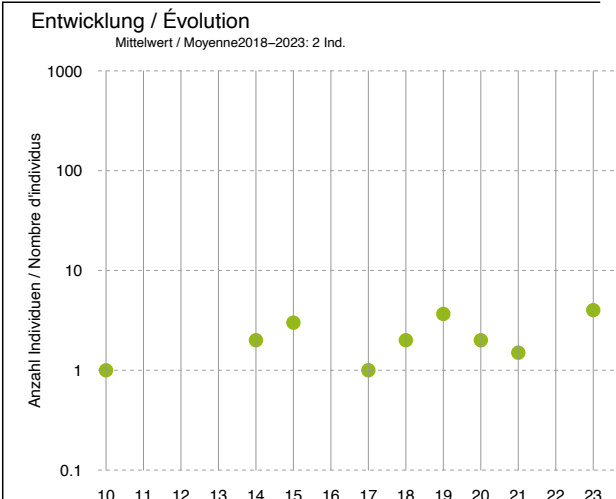
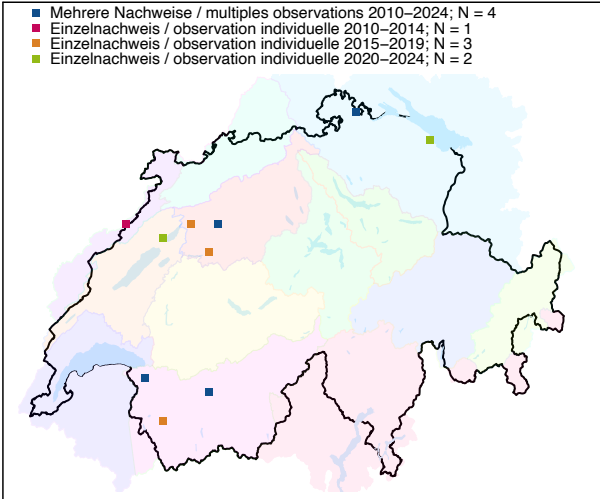


Indikatorgruppe: NA

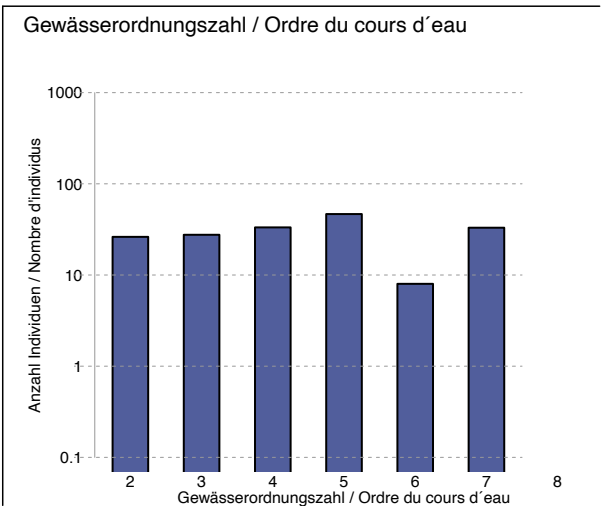
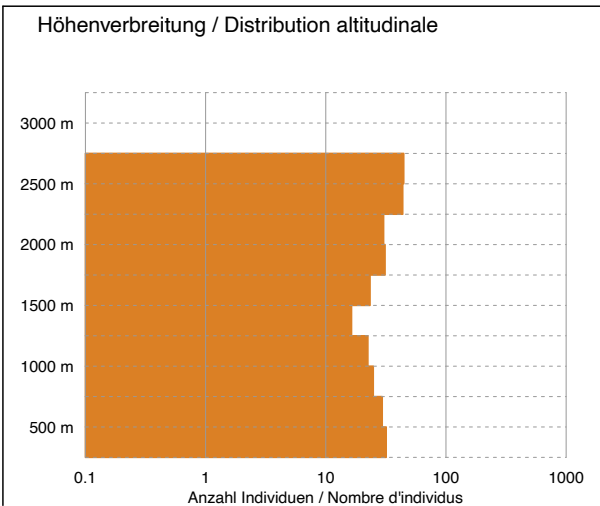
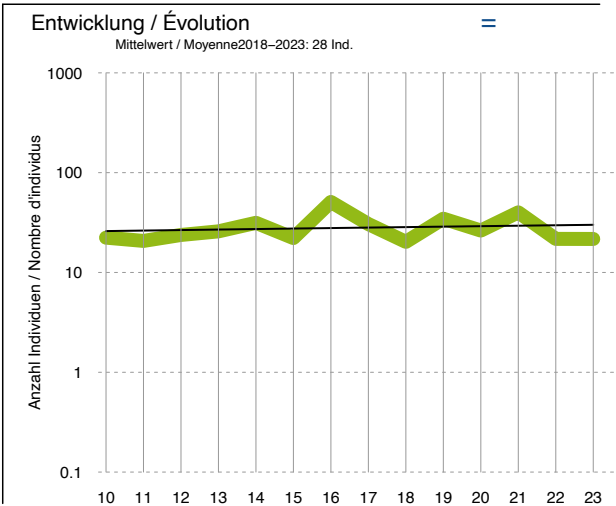
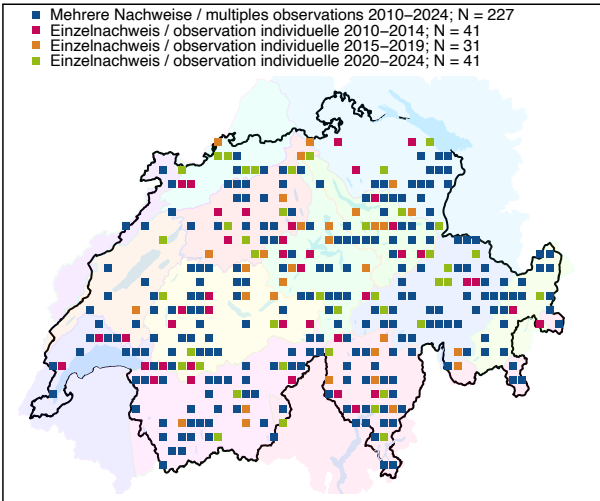


Piscicolidae

Indikatorgruppe: NA

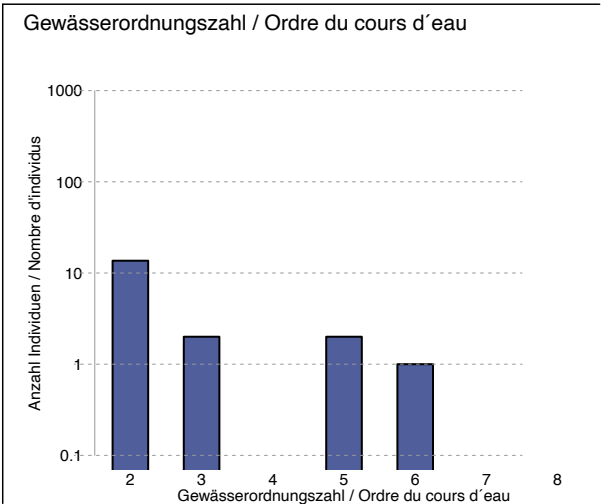
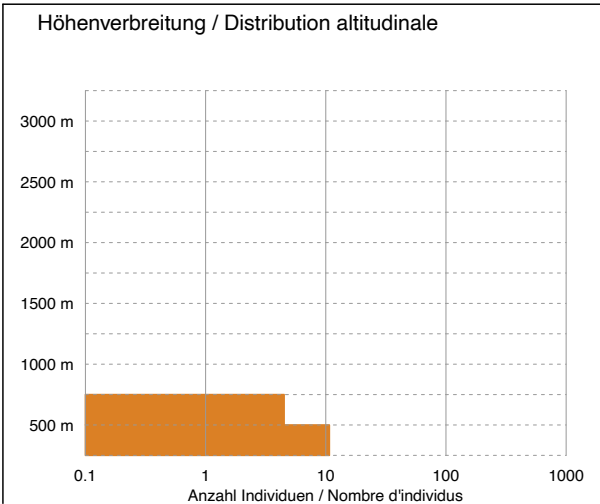
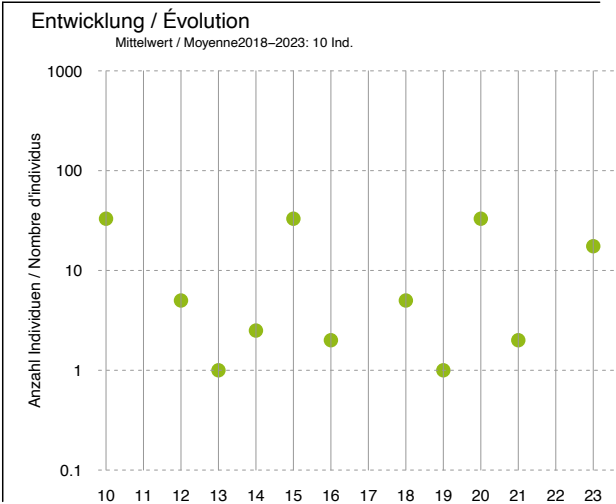
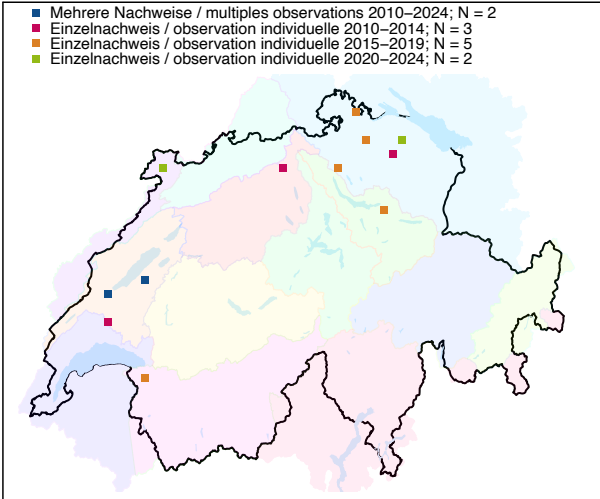


Indikatorgruppe: 0



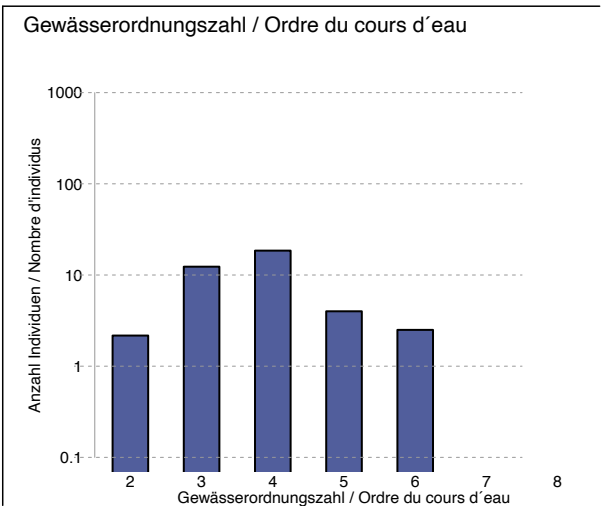
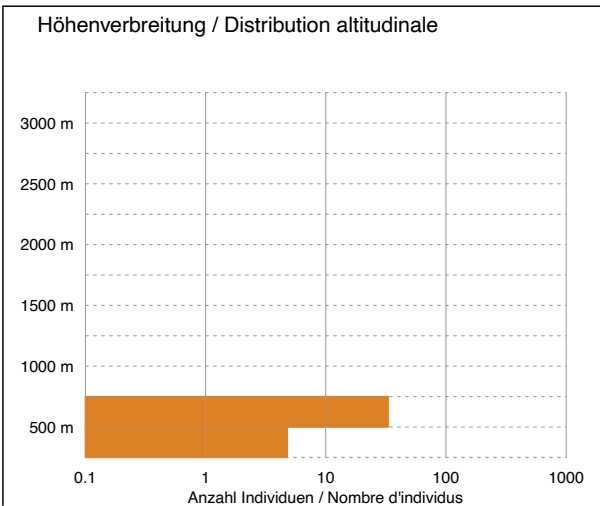
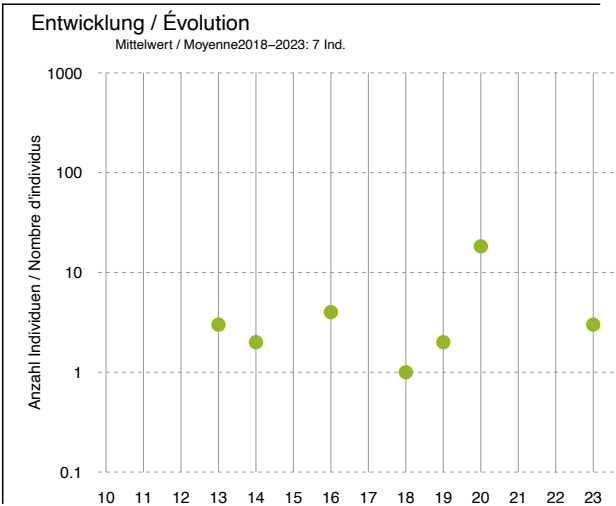
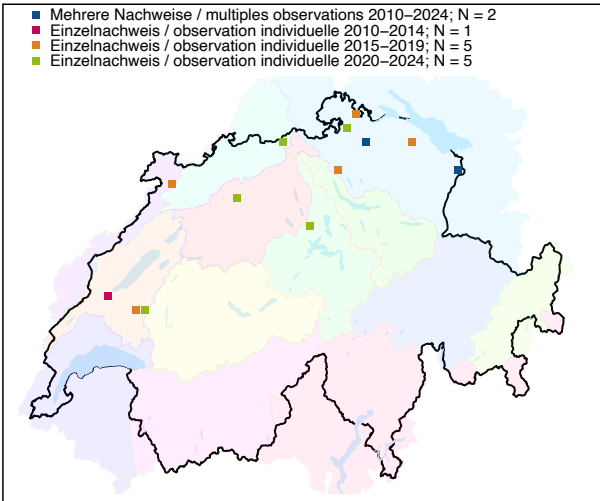
Planorbidae

Indikatorgruppe: NA

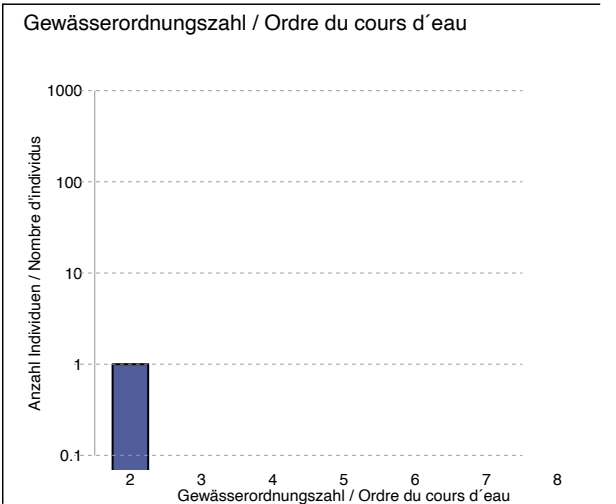
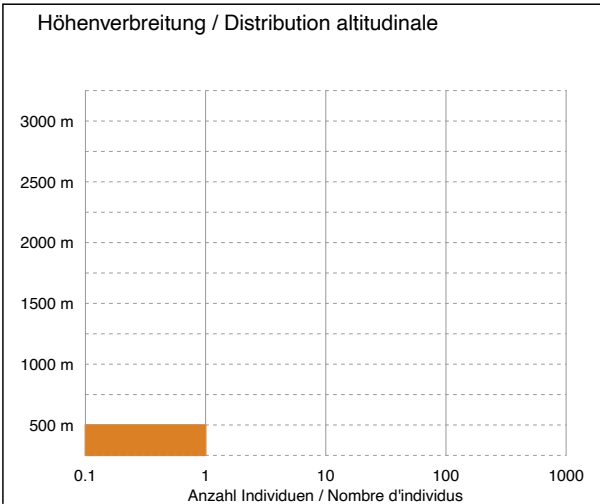
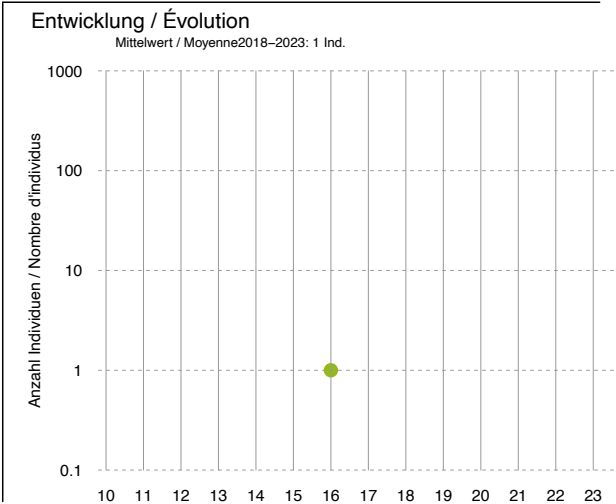
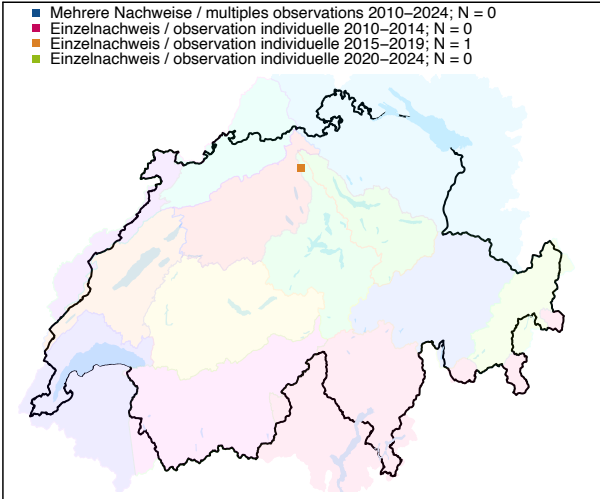


Platycnemididae

Indikatorgruppe: NA



Indikatorgruppe: NA

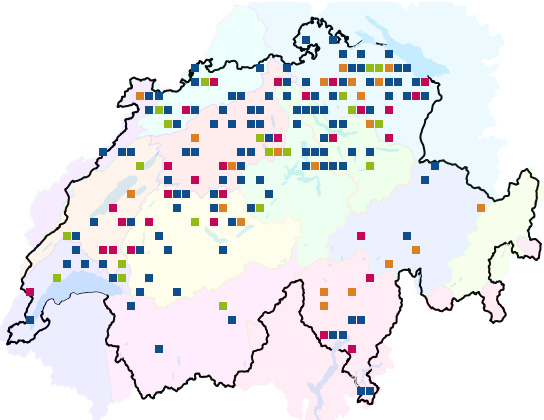


Polycentropodidae

Indikatorgruppe:

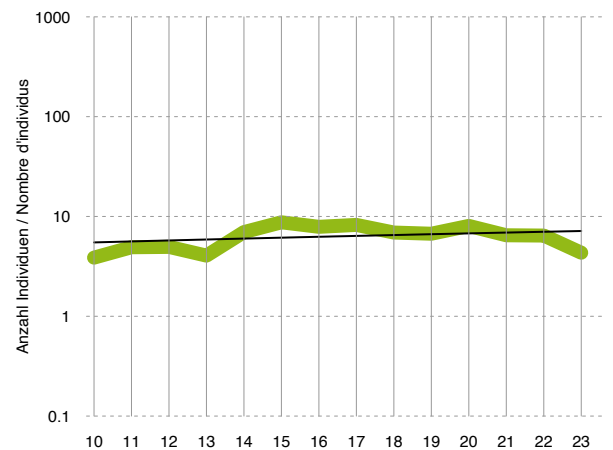
4

- Mehrere Nachweise / multiples observations 2010–2024; N = 109
- Einzelnachweis / observation individuelle 2010–2014; N = 29
- Einzelnachweis / observation individuelle 2015–2019; N = 21
- Einzelnachweis / observation individuelle 2020–2024; N = 20

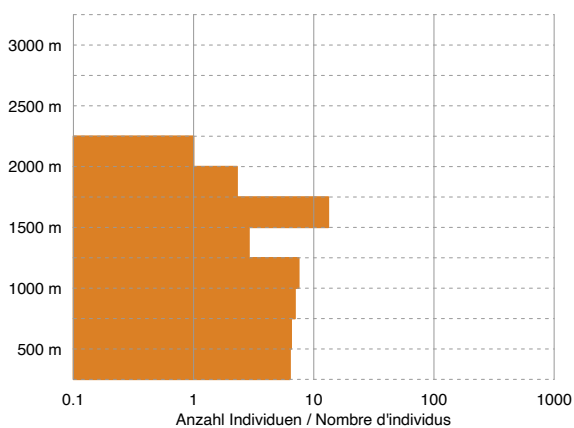


Entwicklung / Évolution

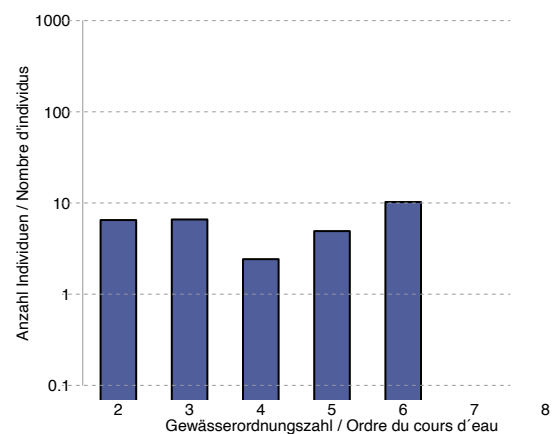
Mittelwert / Moyenne 2018–2023: 6 Ind.



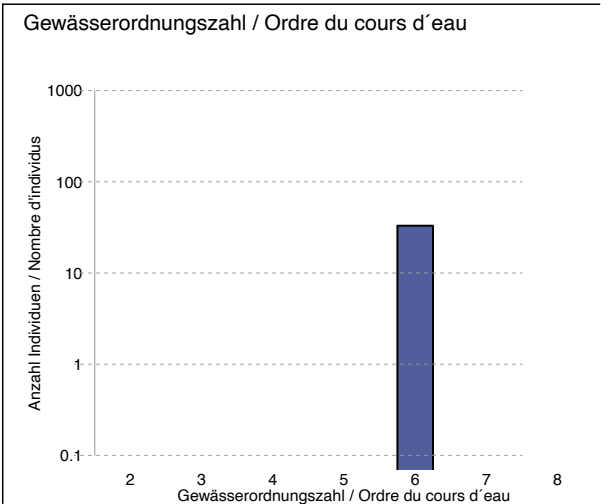
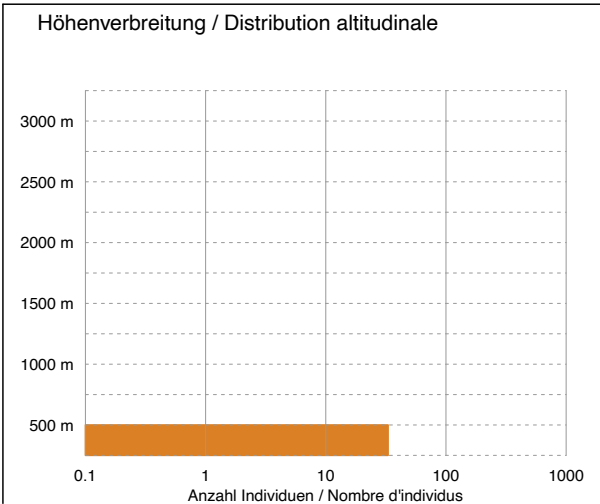
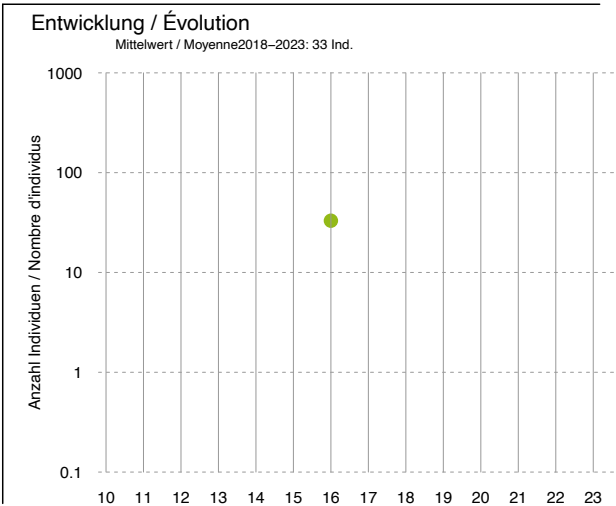
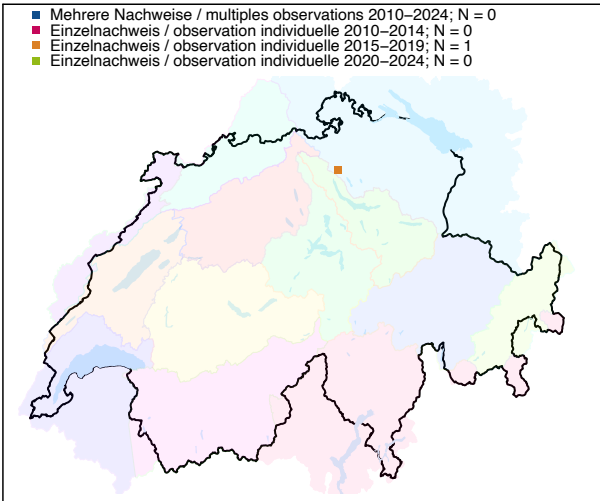
Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau



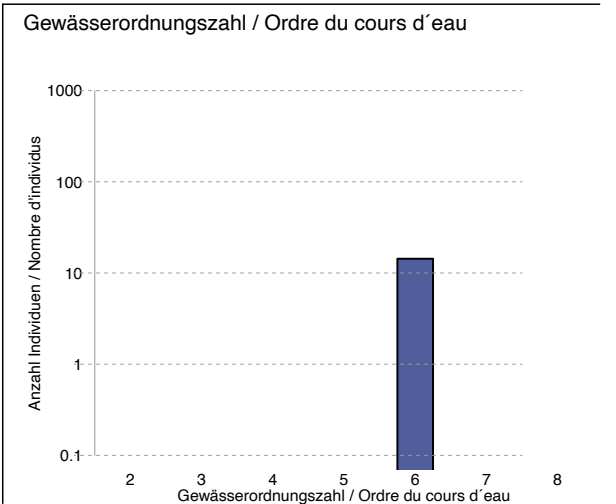
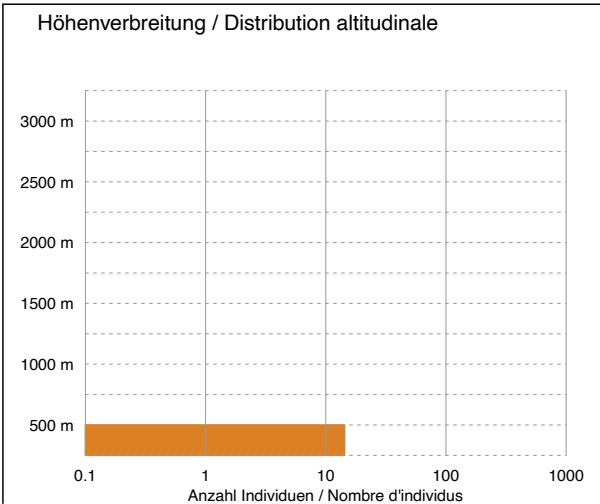
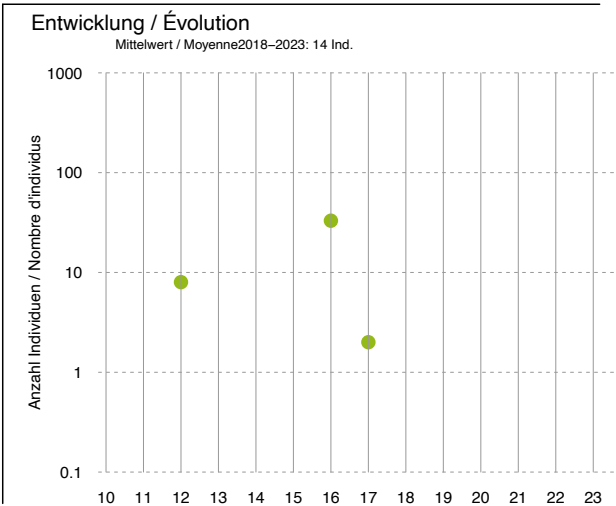
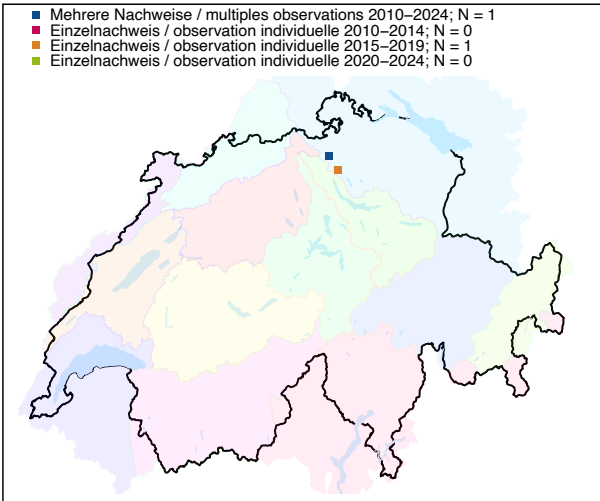
Indikatorgruppe: NA



Potamanthidae

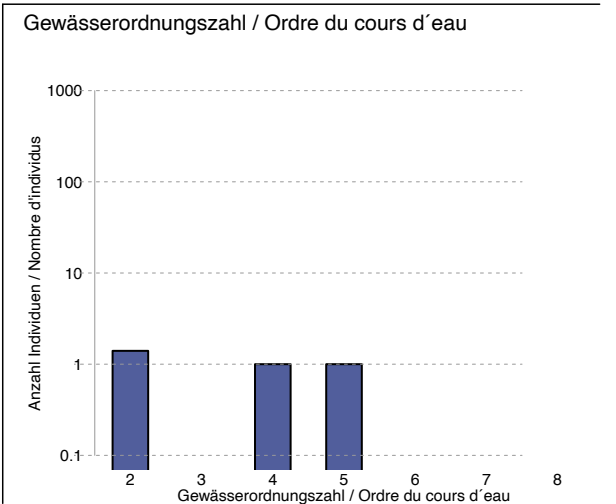
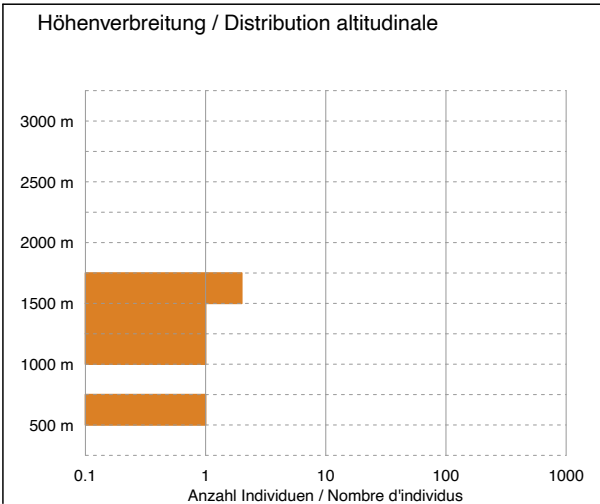
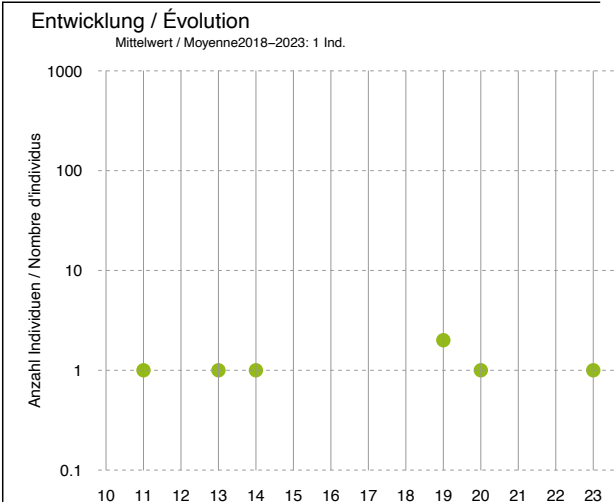
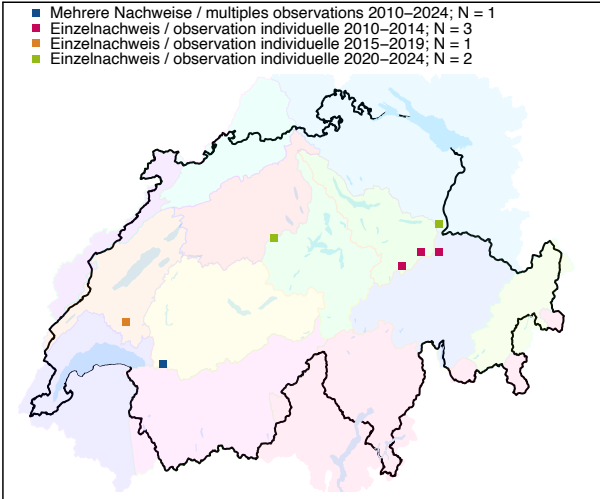
Indikatorgruppe:

NA

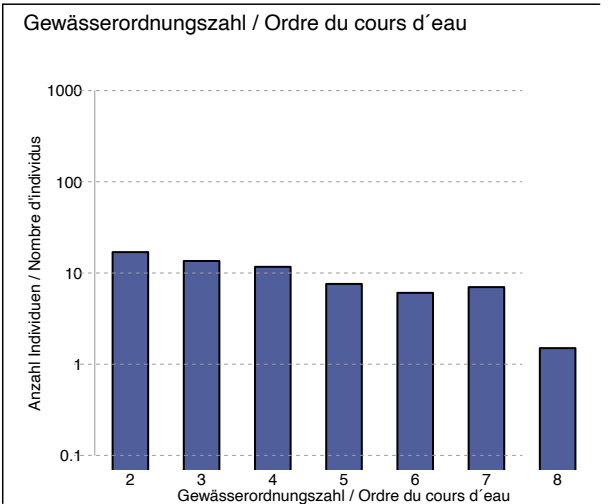
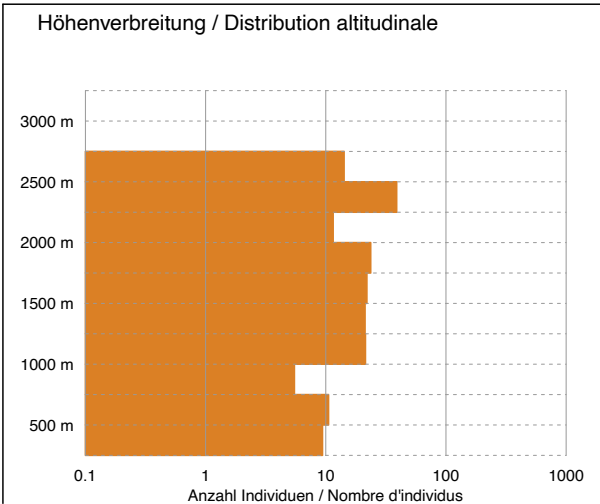
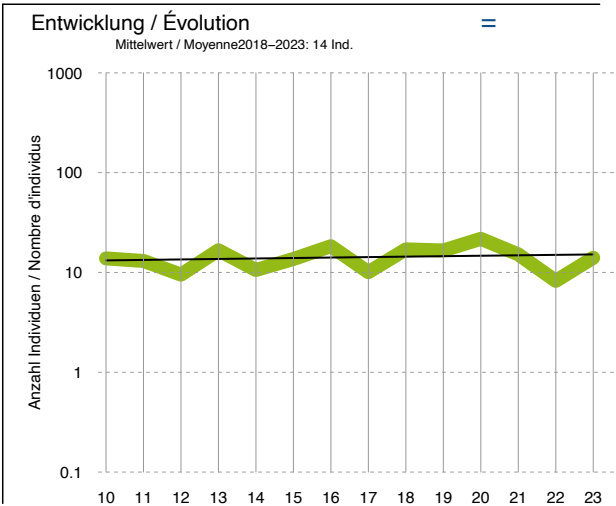
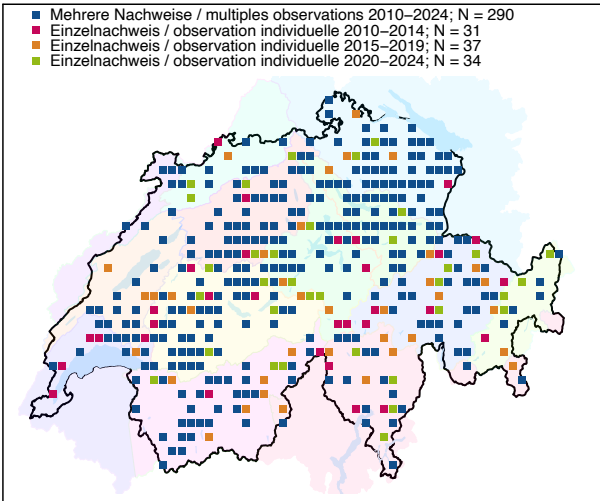


Psephenidae

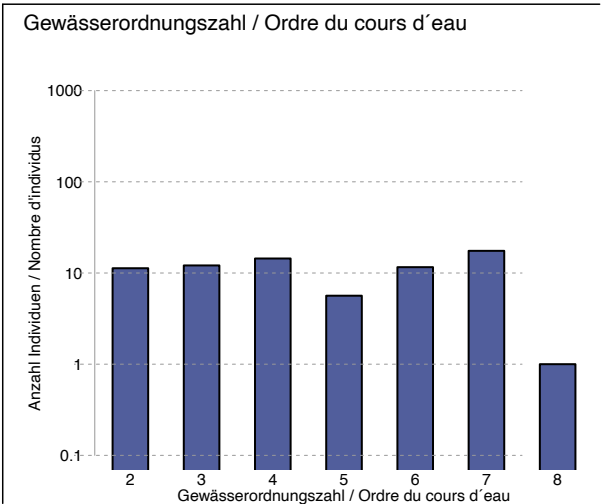
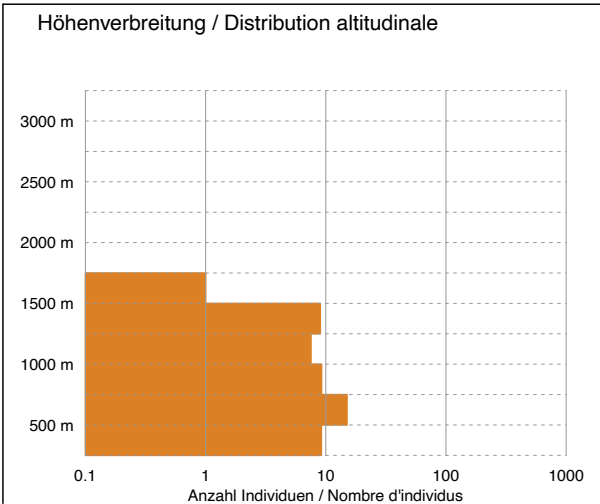
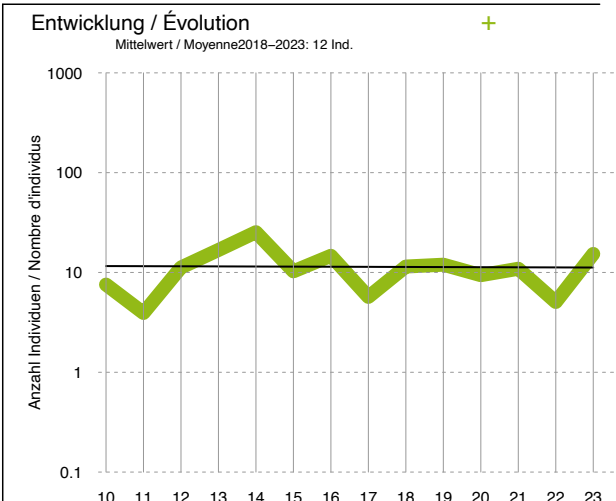
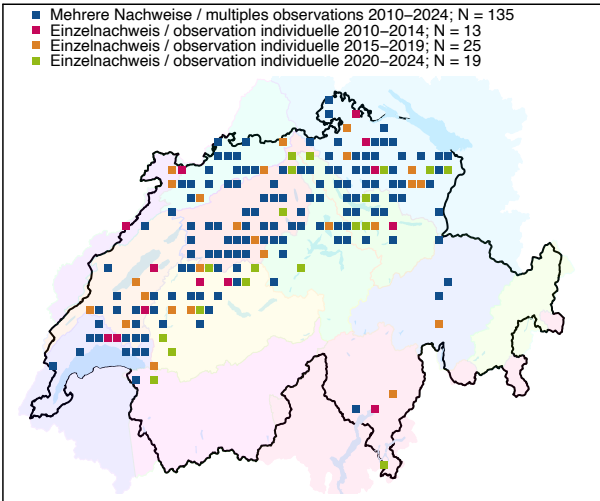
Indikatorgruppe: NA



Indikatorgruppe: 0

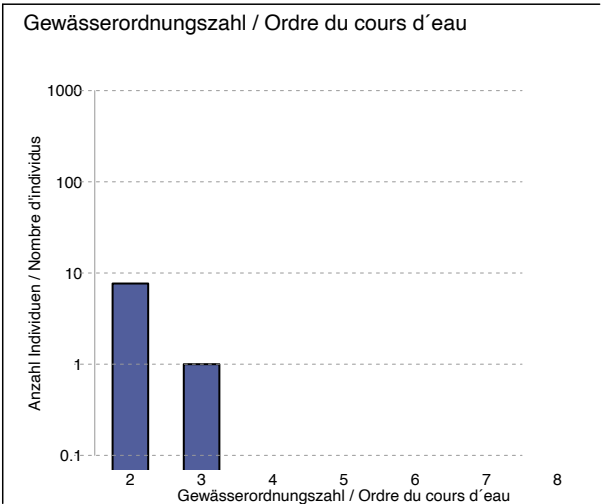
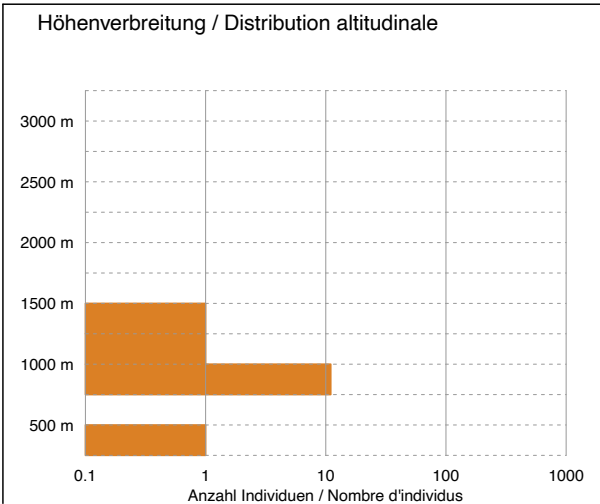
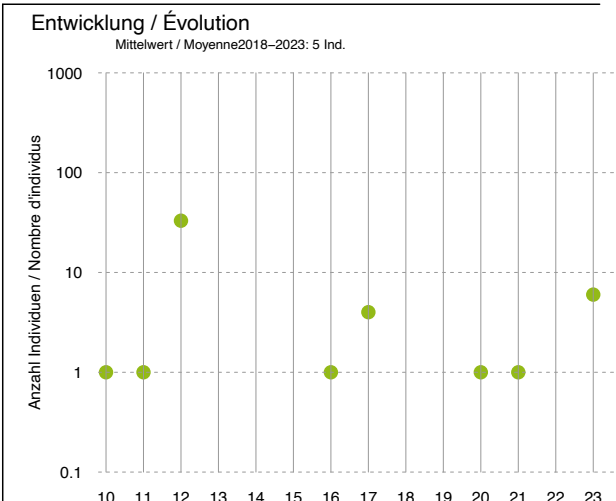
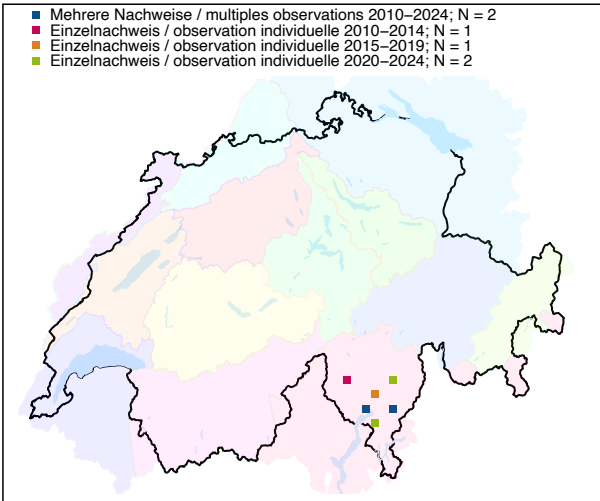


Indikatorgruppe: 4



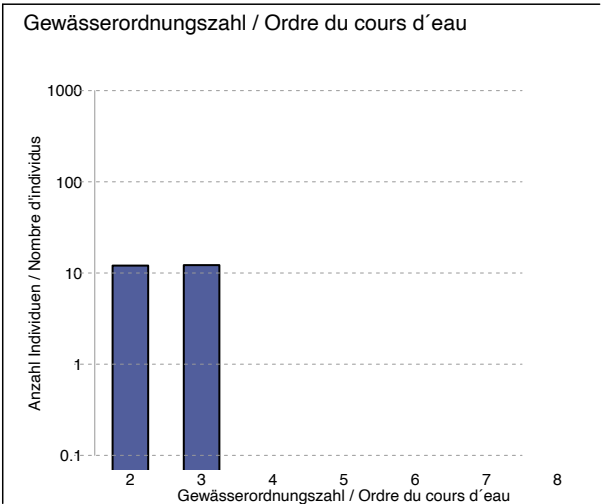
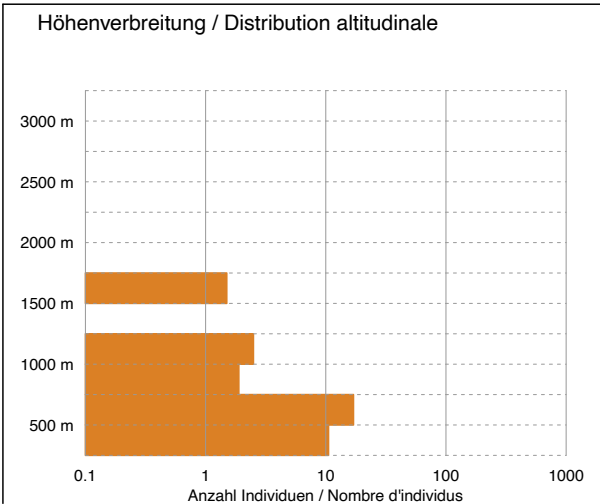
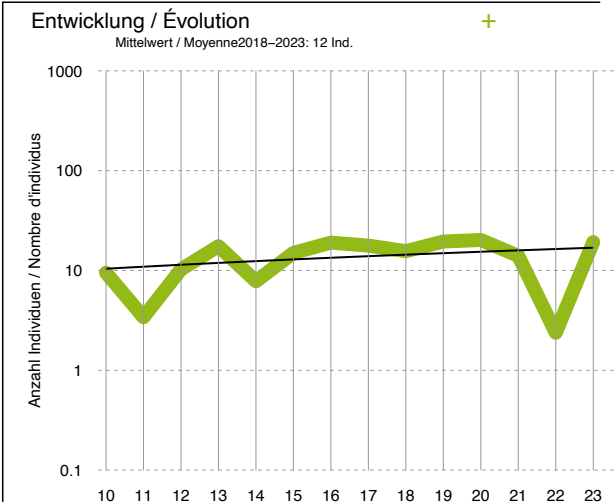
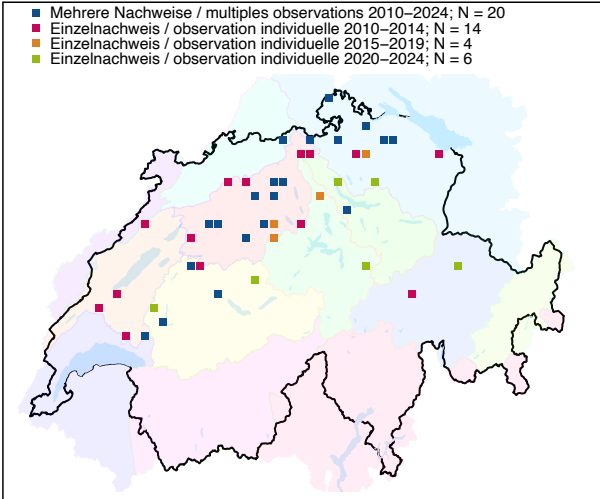
Ptilocolepidae

Indikatorgruppe: NA

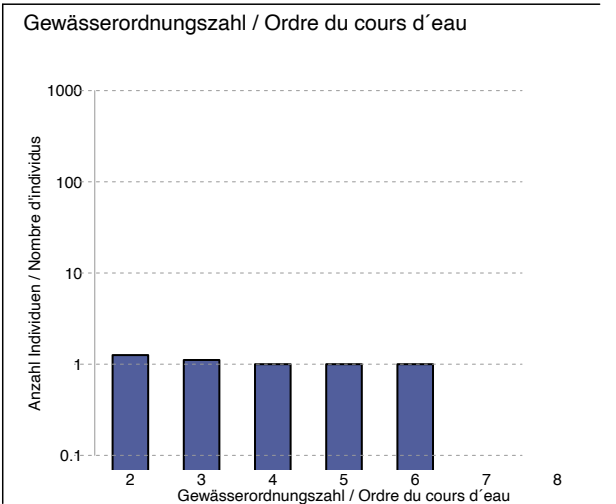
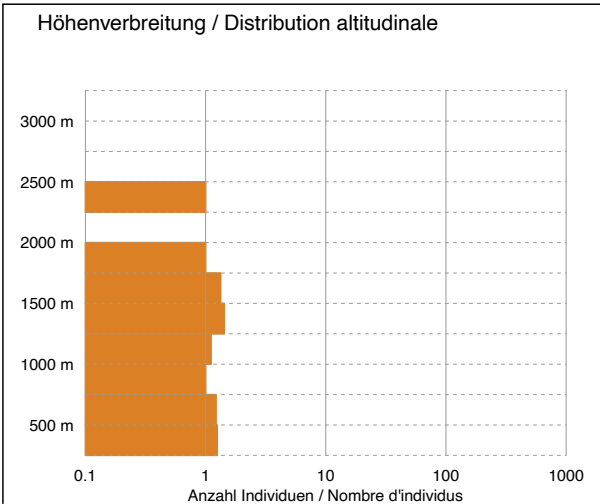
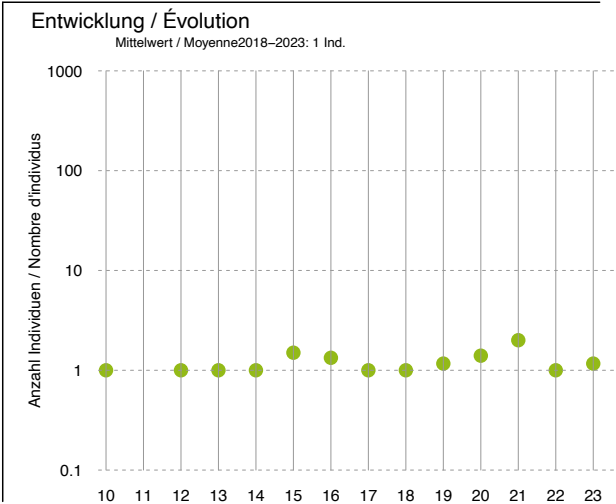
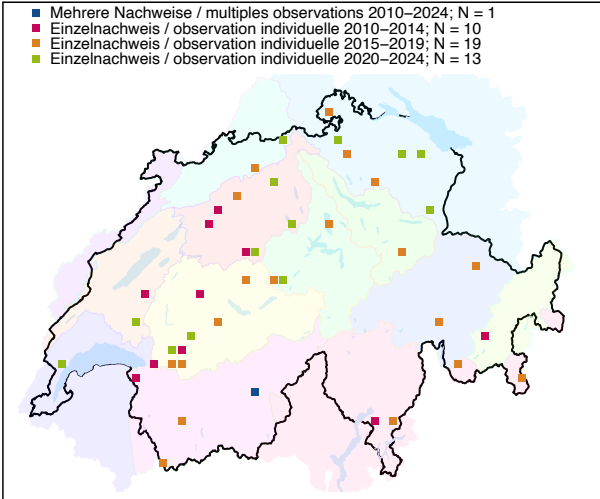


Ptychopteridae

Indikatorgruppe: NA

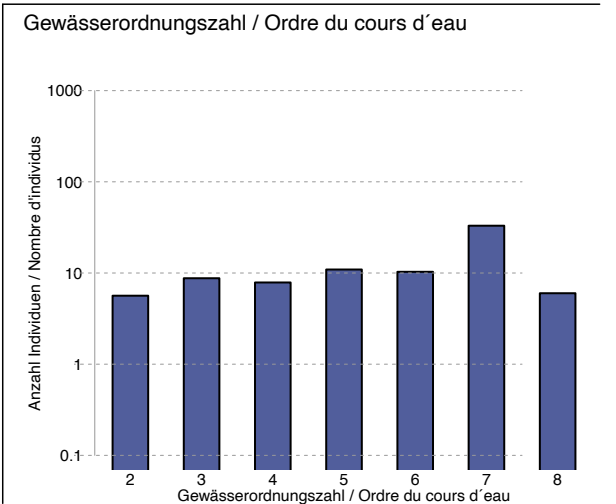
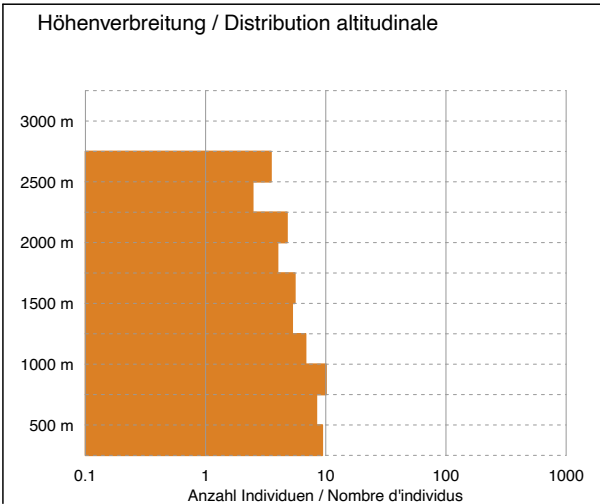
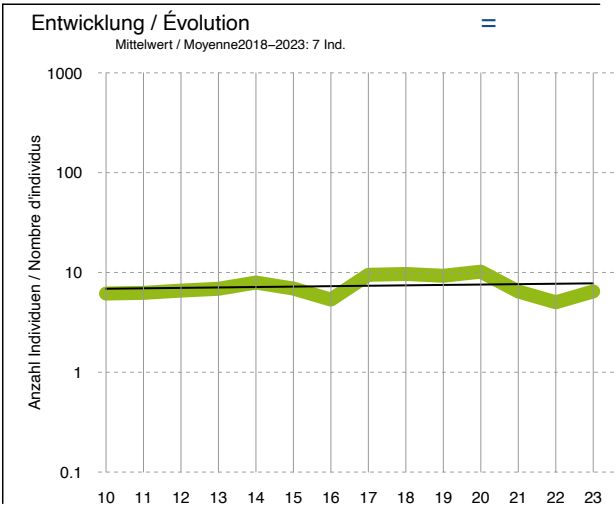
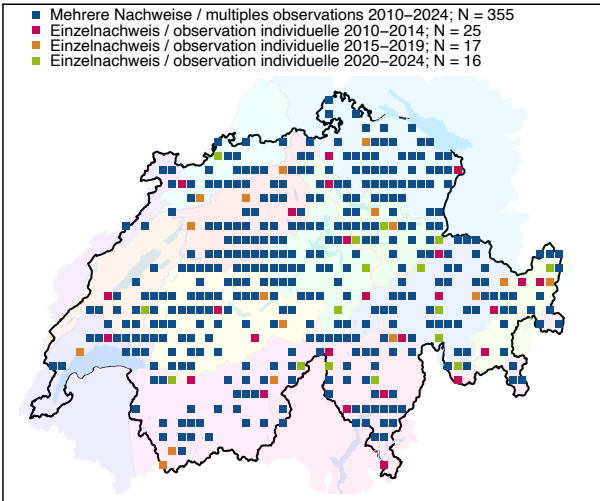


Indikatorgruppe: NA



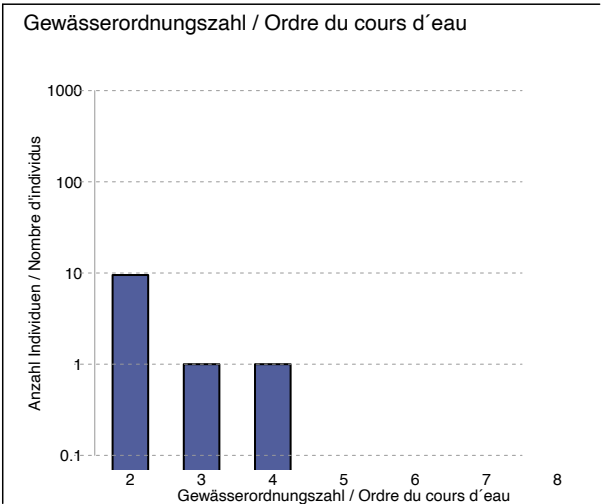
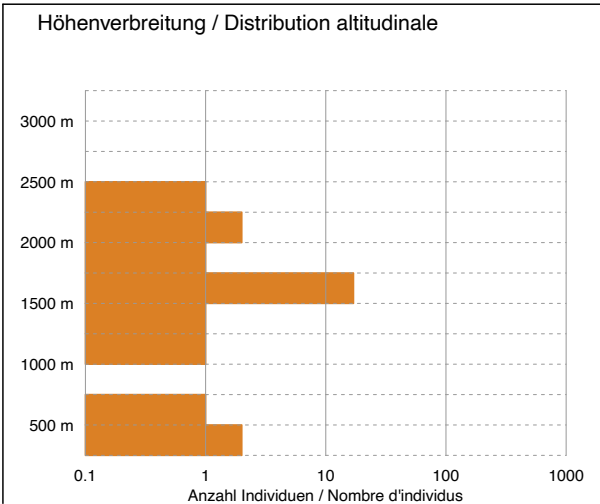
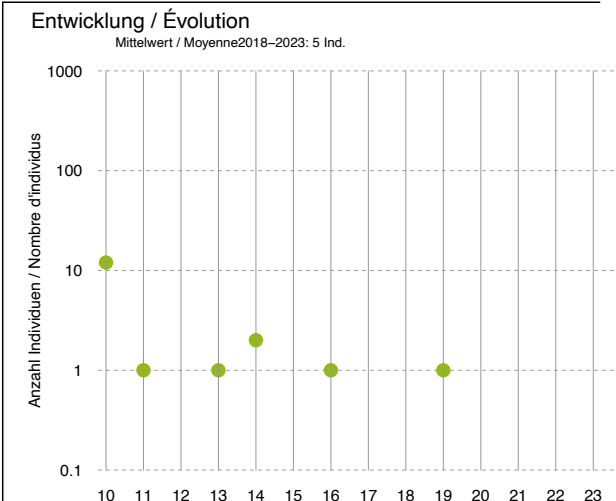
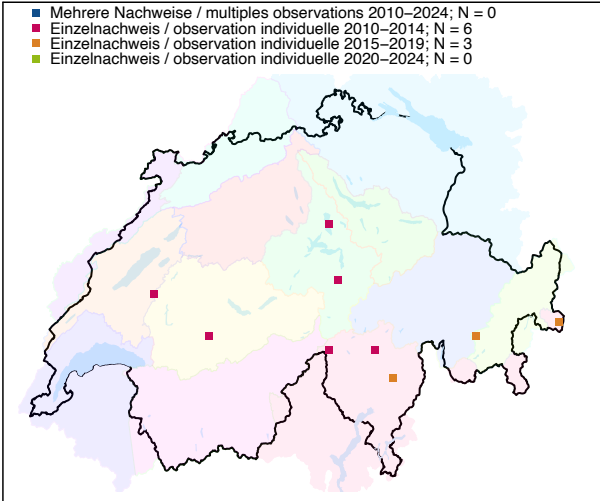
Rhyacophilidae

Indikatorgruppe: NA

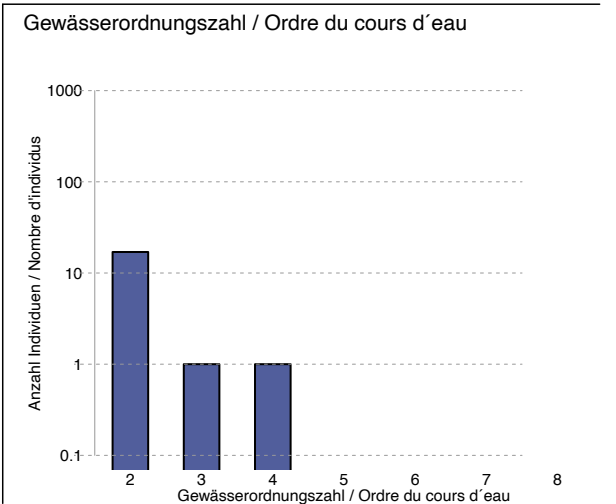
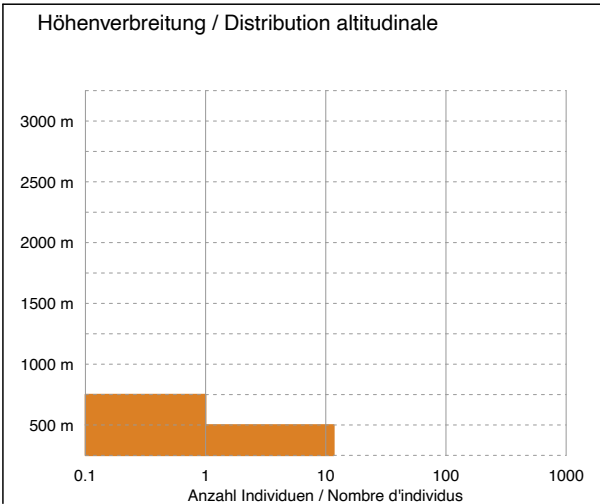
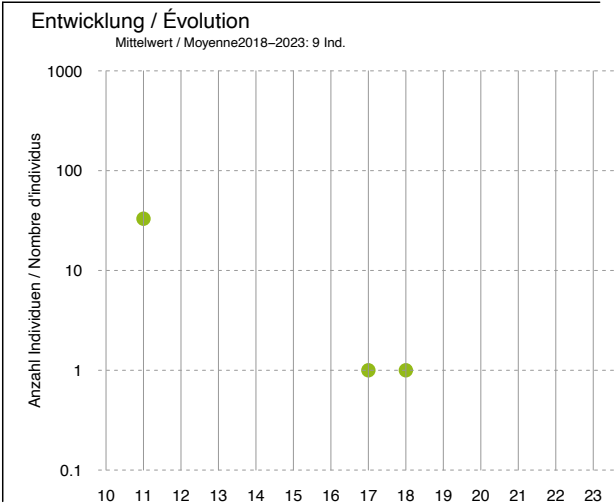
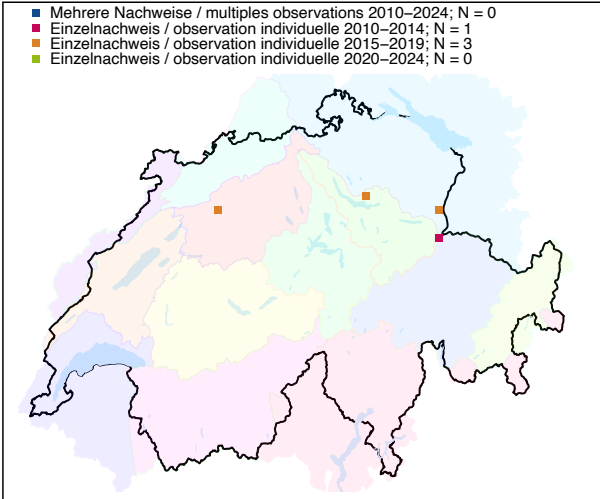


Scathophagidae

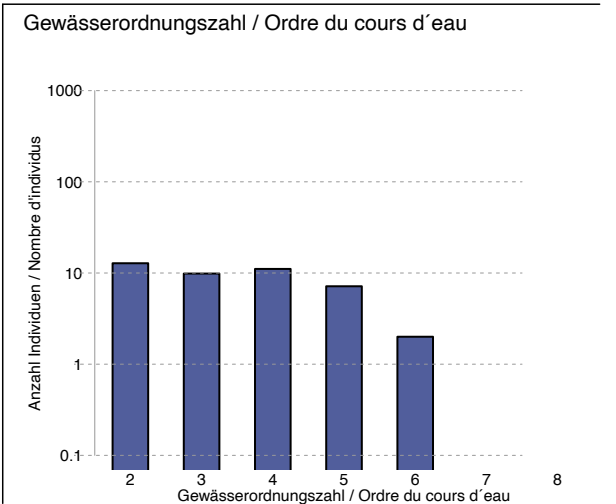
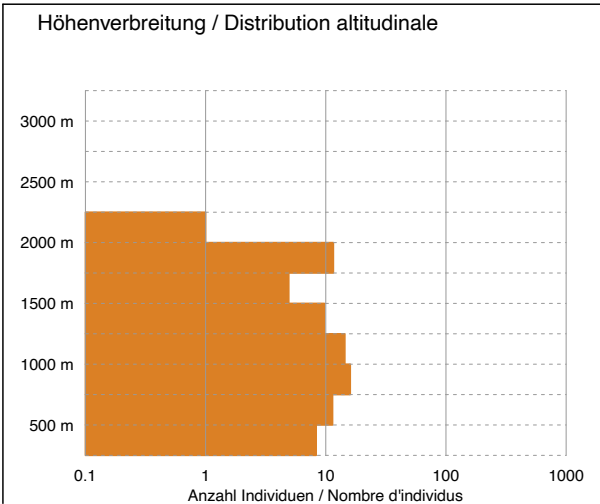
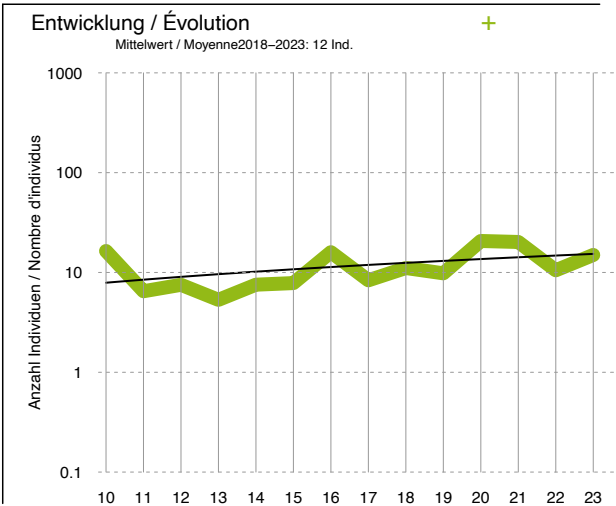
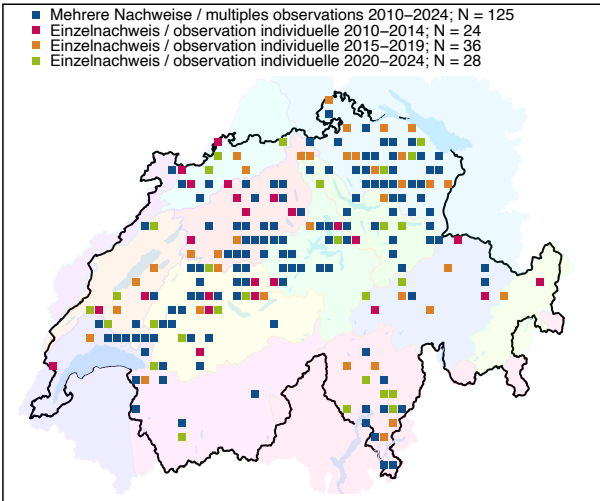
Indikatorgruppe: NA



Indikatorgruppe: NA

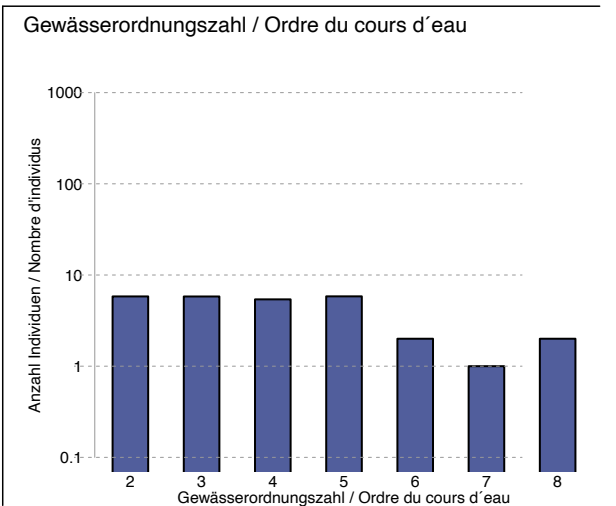
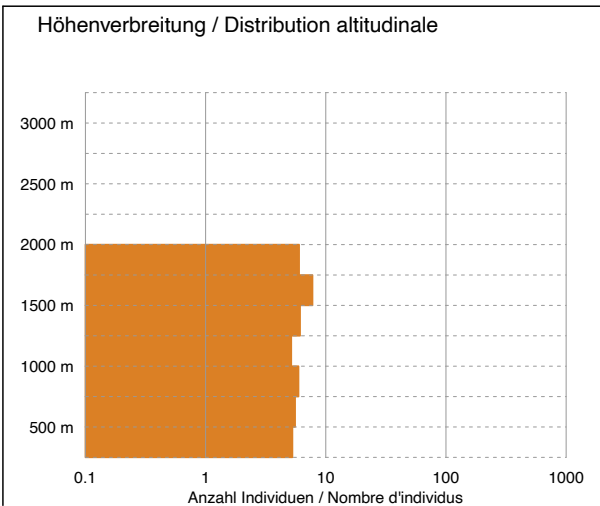
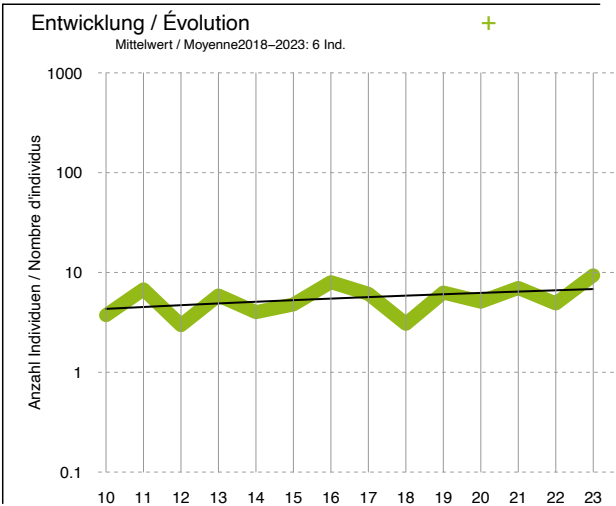
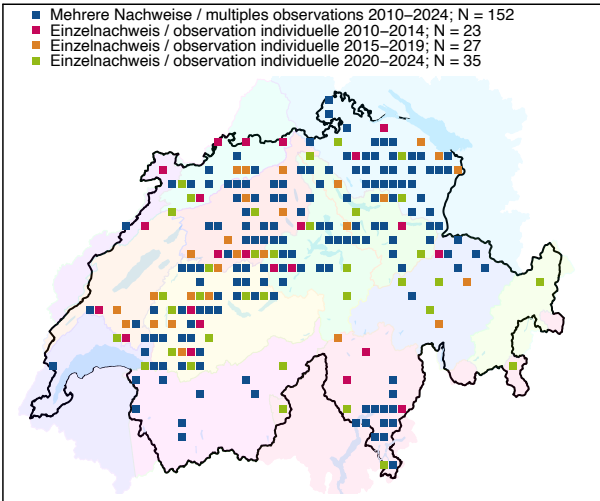


Indikatorgruppe: 0

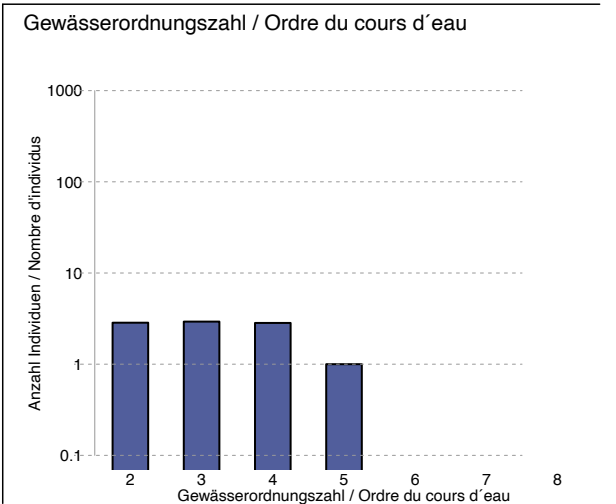
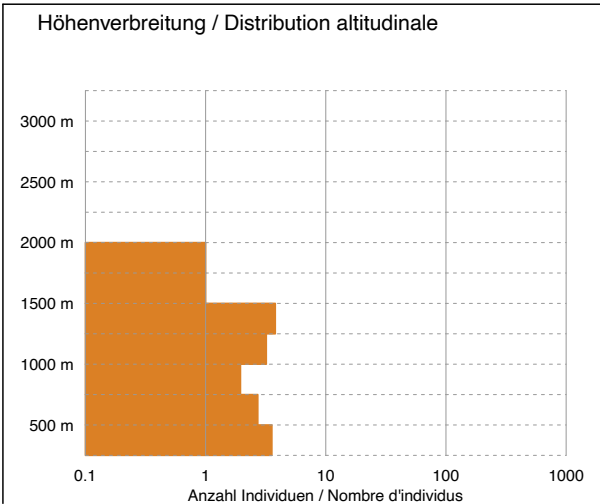
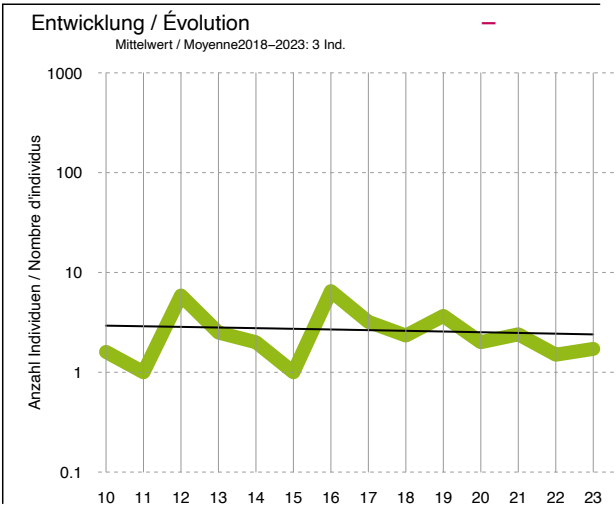
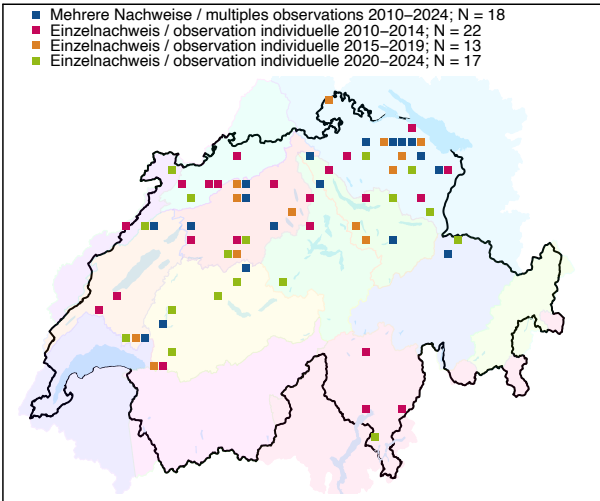


Sericostomatidae

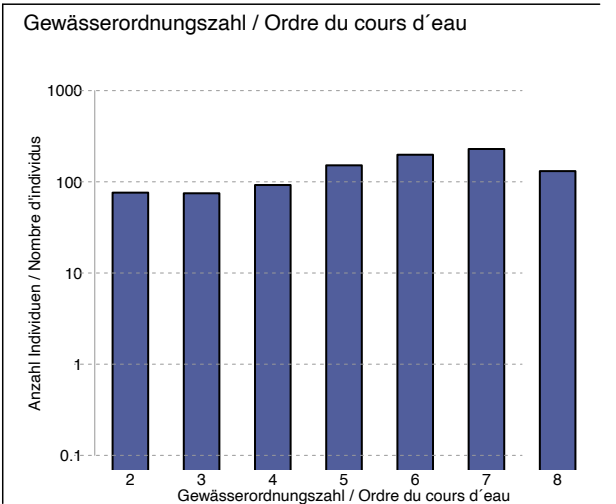
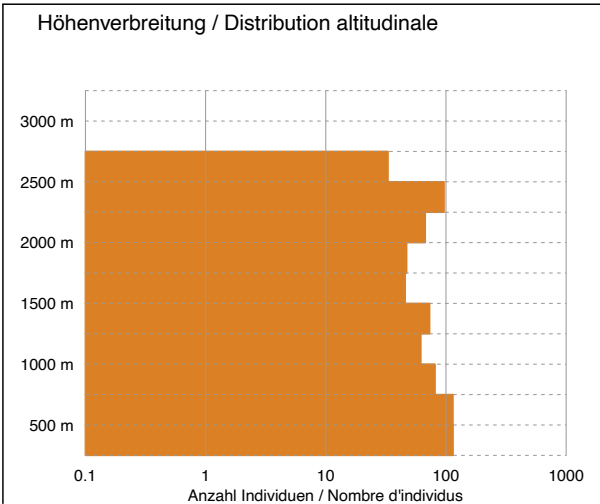
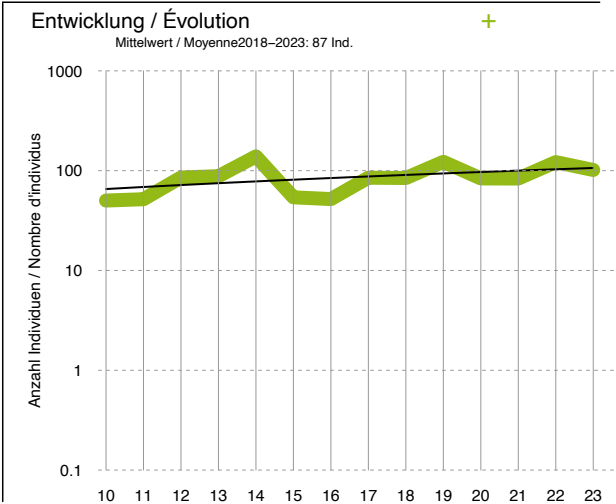
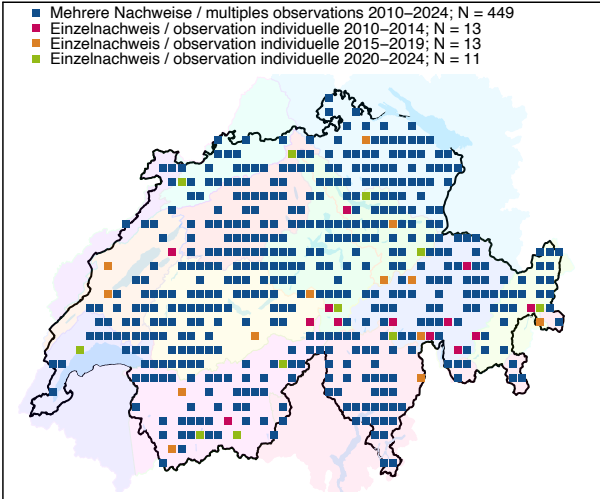
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Indikatorgruppe: NA



Indikatorgruppe: 0

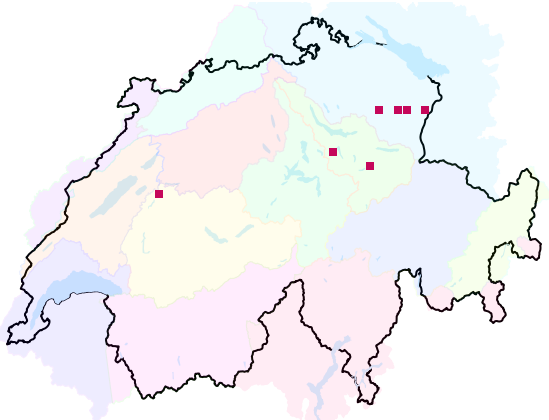


Siphonuridae

Indikatorgruppe:

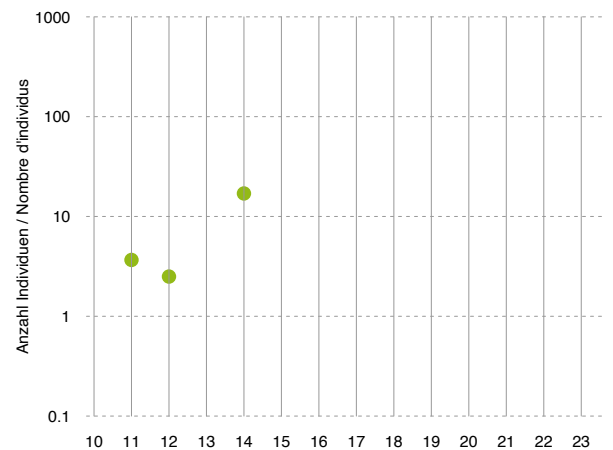
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 7
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 0

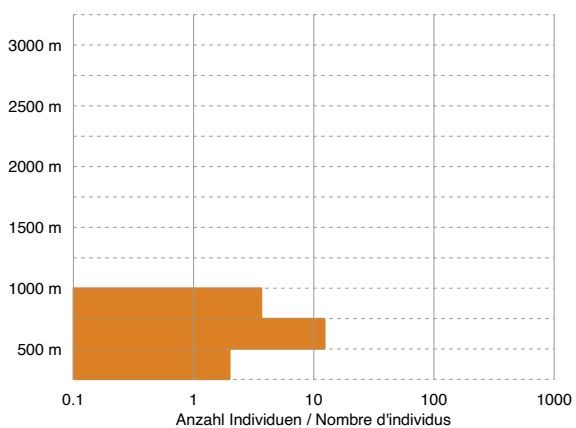


Entwicklung / Évolution

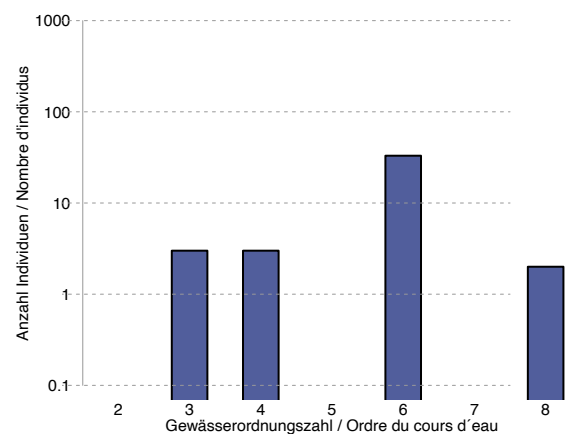
Mittelwert / Moyenne 2018–2023: 7 Ind.



Höhenverbreitung / Distribution altitudinale

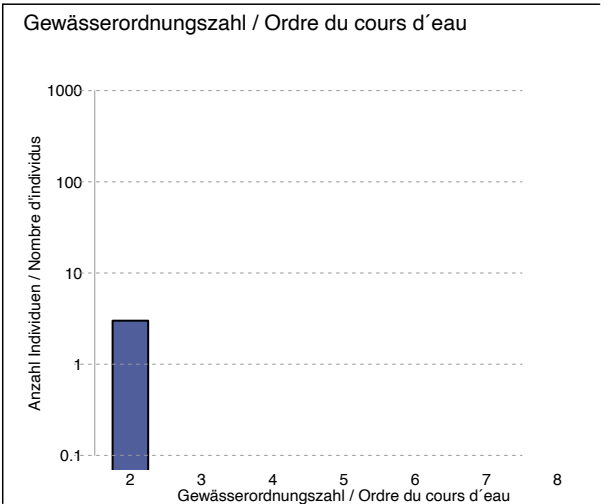
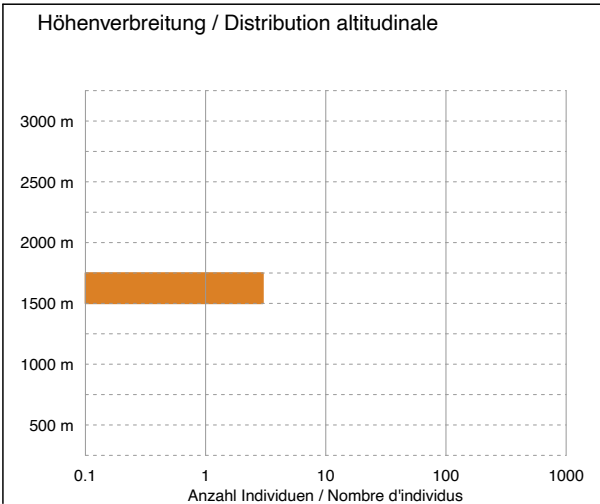
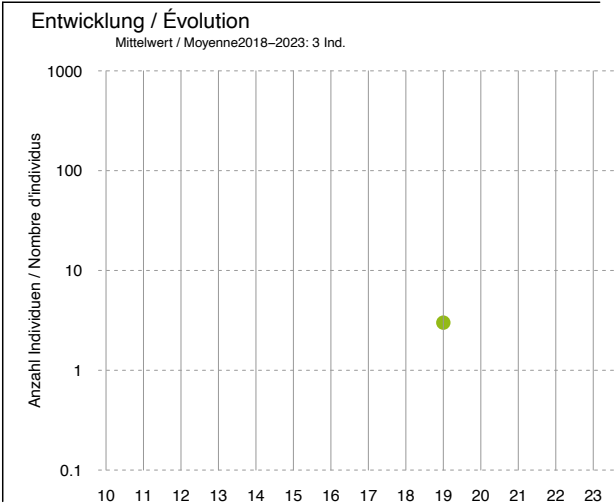
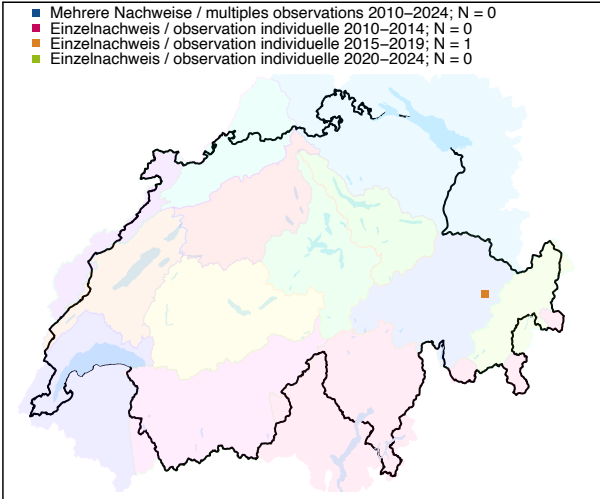


Gewässerordnungszahl / Ordre du cours d'eau



Spercheidae (Tachet)

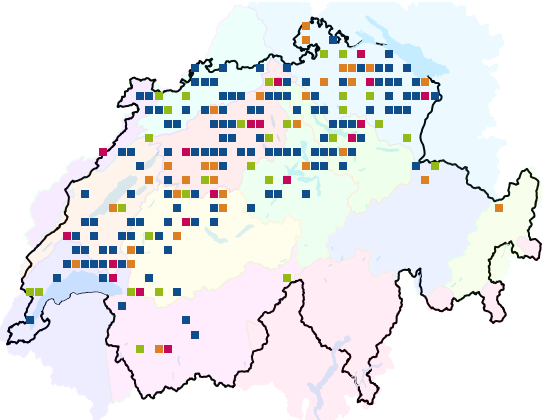
Indikatorgruppe: NA



Indikatorgruppe:

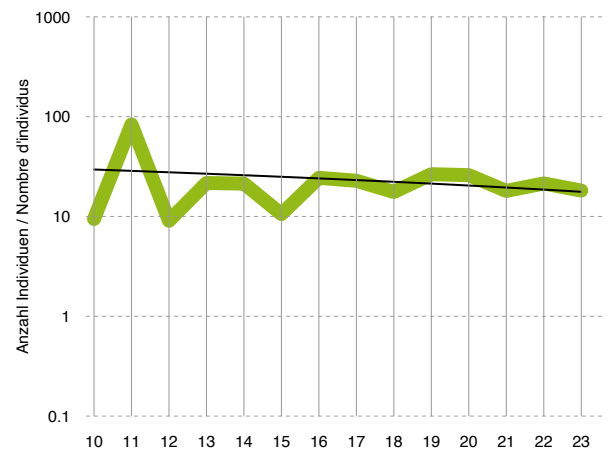
2

- Mehrere Nachweise / multiples observations 2010–2024; N = 125
- Einzelnachweis / observation individuelle 2010–2014; N = 18
- Einzelnachweis / observation individuelle 2015–2019; N = 31
- Einzelnachweis / observation individuelle 2020–2024; N = 29

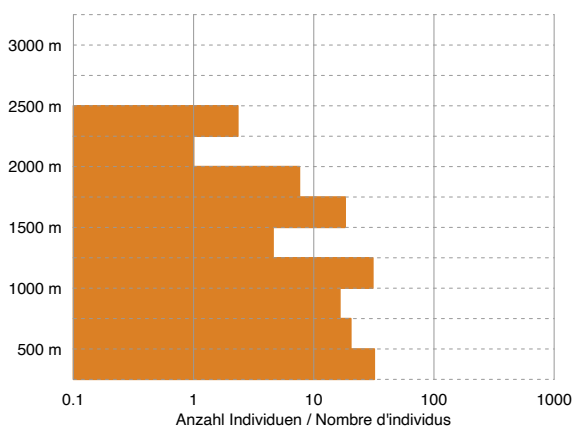


Entwicklung / Évolution

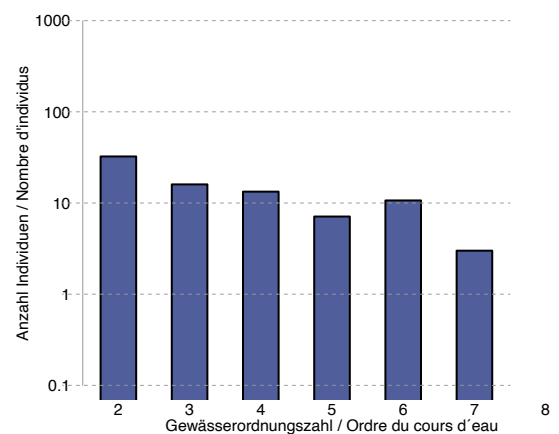
Mittelwert / Moyenne 2018–2023: 24 Ind.



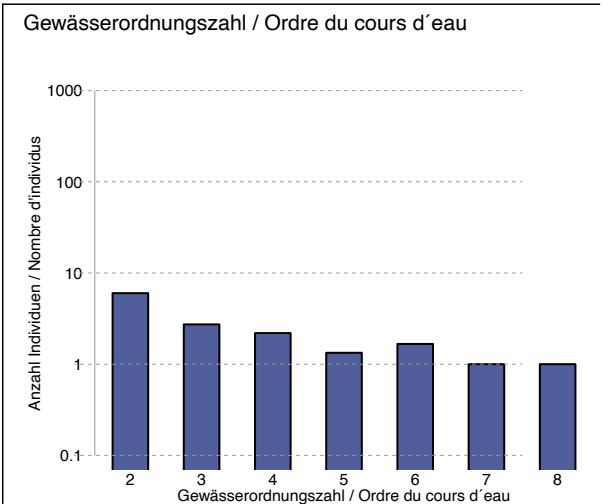
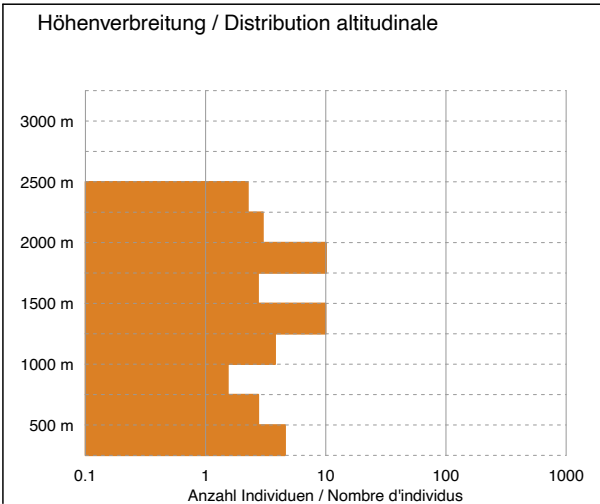
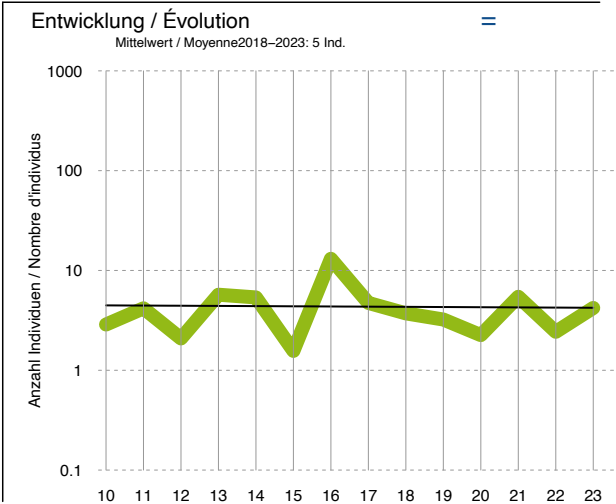
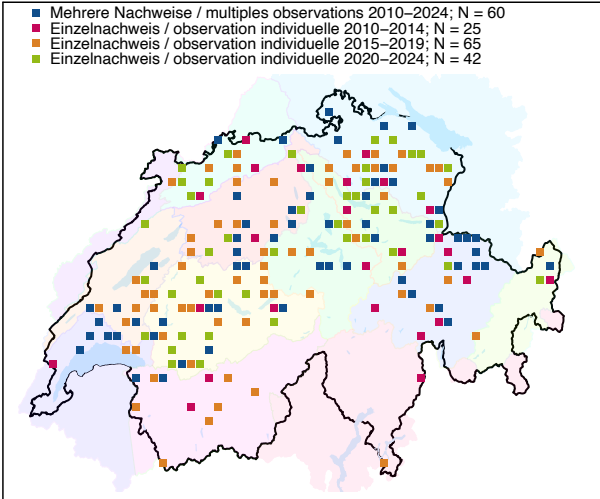
Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe: 0

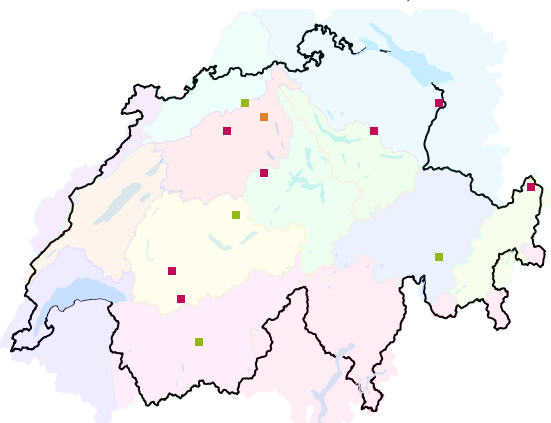


Syrphidae

Indikatorgruppe:

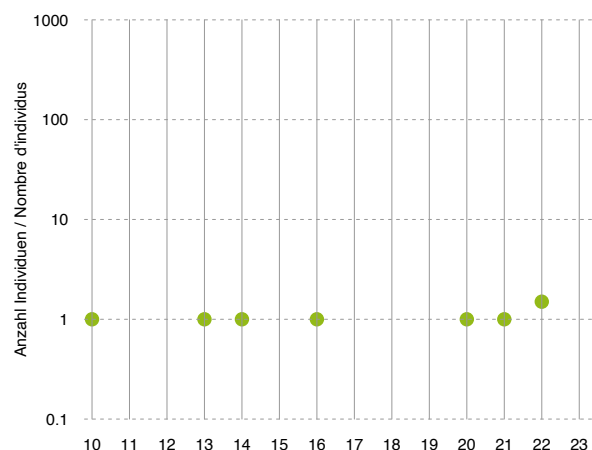
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 7
- Einzelnachweis / observation individuelle 2015–2019; N = 1
- Einzelnachweis / observation individuelle 2020–2024; N = 4

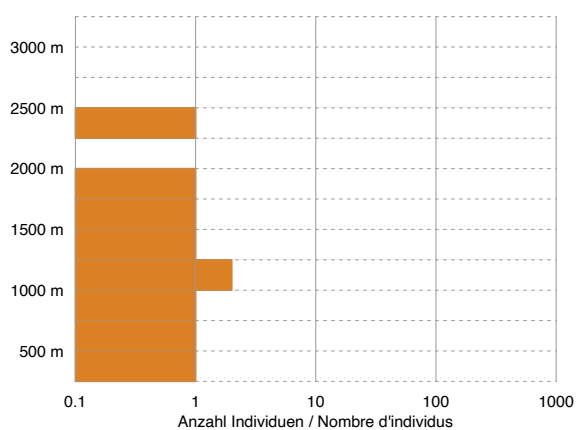


Entwicklung / Évolution

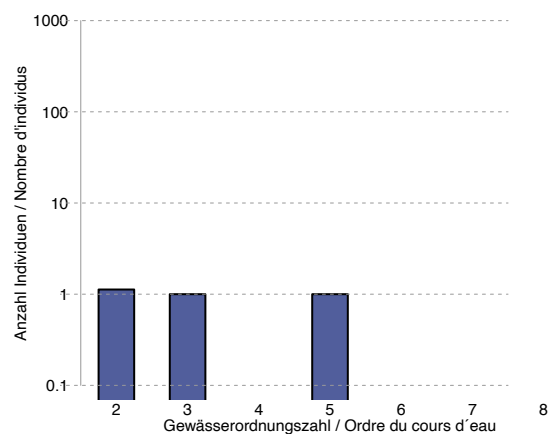
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

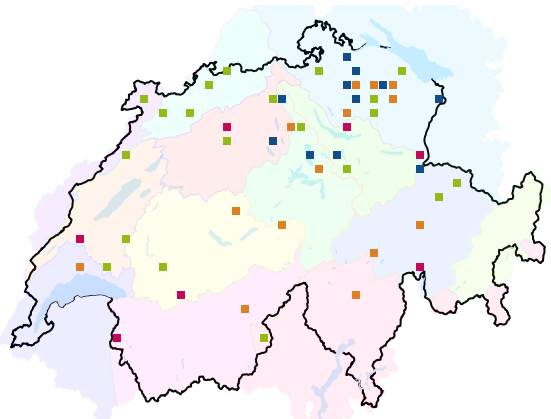


Tabanidae

Indikatorgruppe:

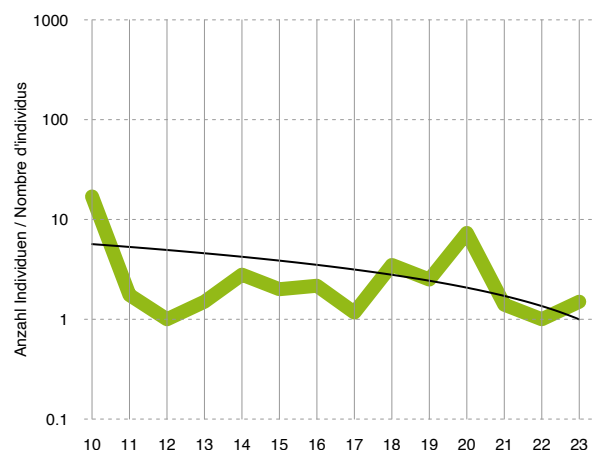
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 11
- Einzelnachweis / observation individuelle 2010–2014; N = 7
- Einzelnachweis / observation individuelle 2015–2019; N = 14
- Einzelnachweis / observation individuelle 2020–2024; N = 20

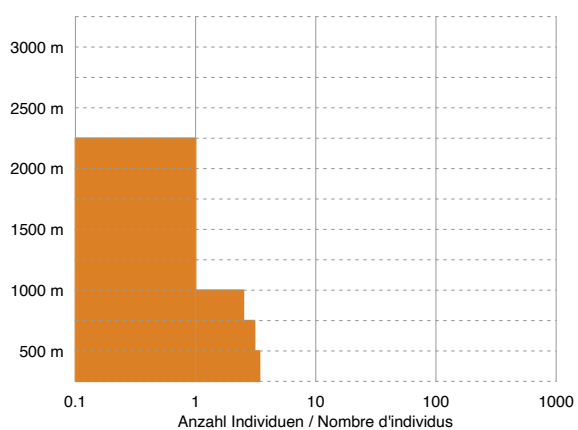


Entwicklung / Évolution

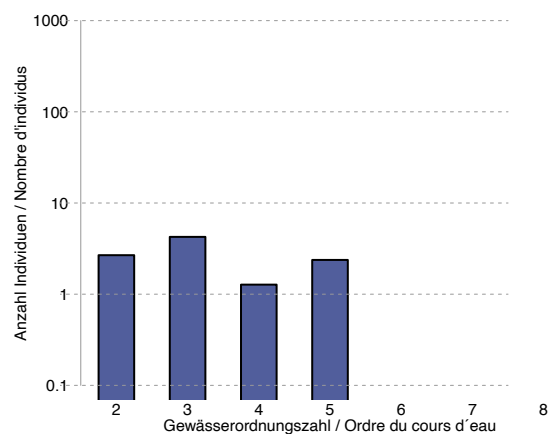
Mittelwert / Moyenne 2018–2023: 3 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

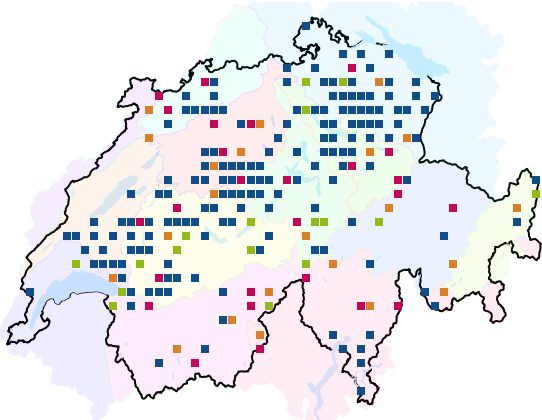


Taeniopterygidae

Indikatorgruppe:

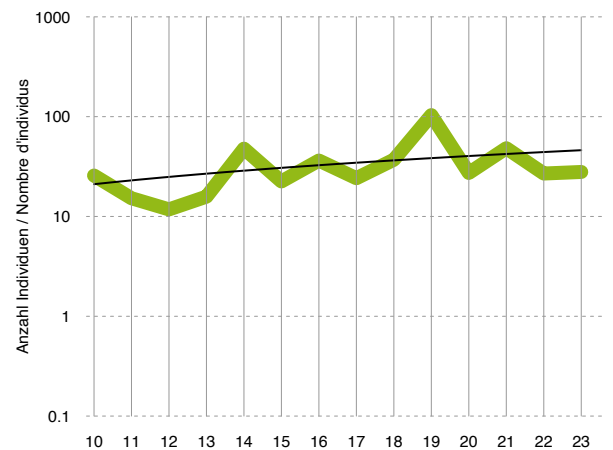
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 157
- Einzelnachweis / observation individuelle 2010–2014; N = 26
- Einzelnachweis / observation individuelle 2015–2019; N = 22
- Einzelnachweis / observation individuelle 2020–2024; N = 17

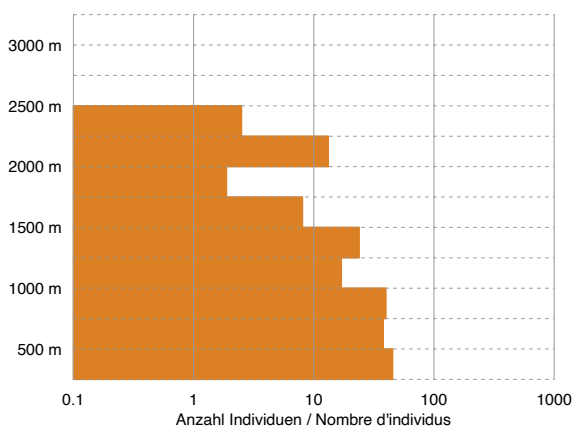


Entwicklung / Évolution

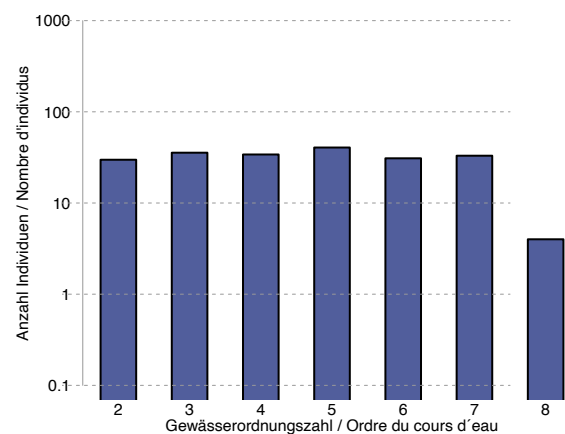
Mittelwert / Moyenne 2018–2023: 34 Ind.



Höhenverbreitung / Distribution altitudinale

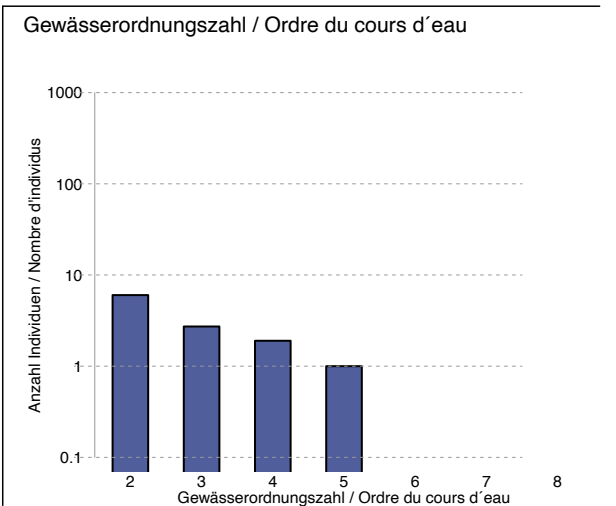
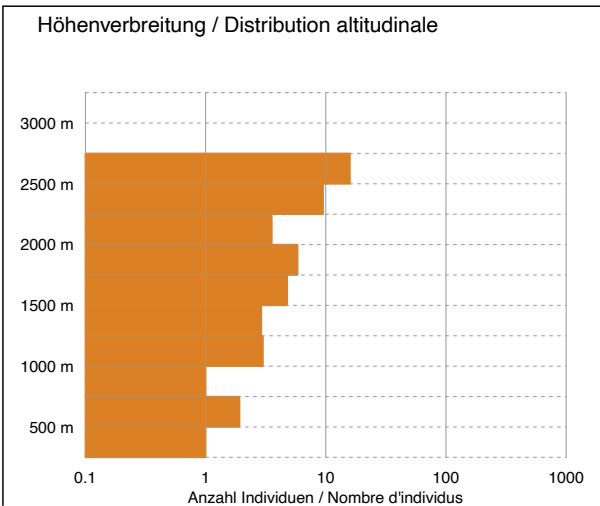
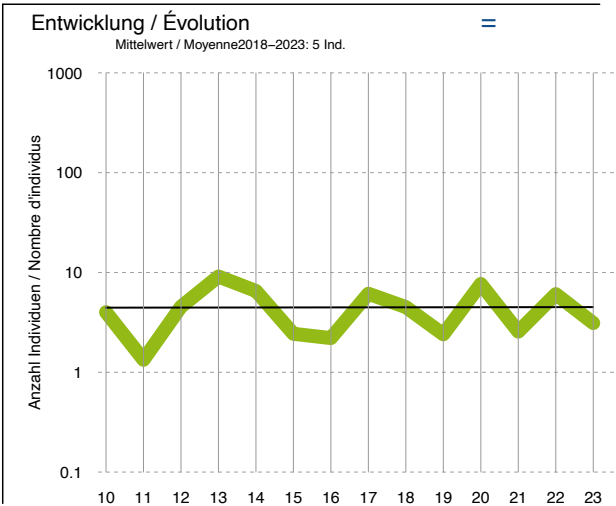
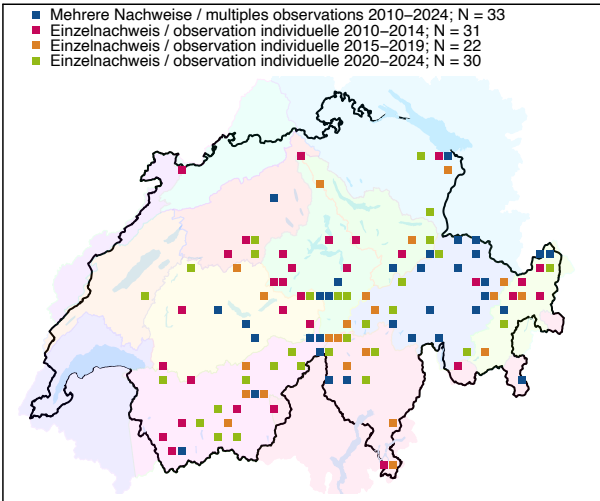


Gewässerordnungszahl / Ordre du cours d'eau

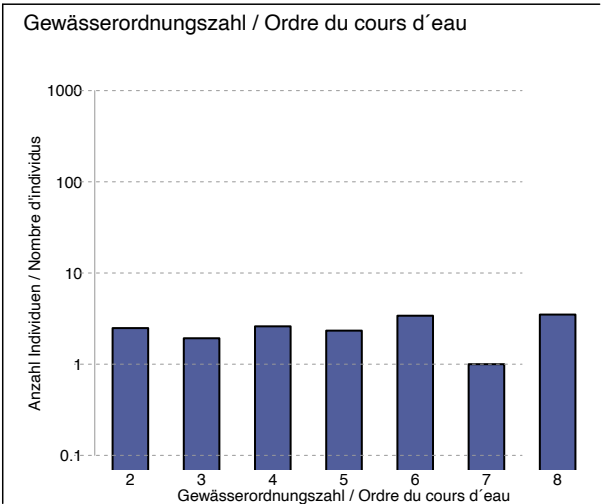
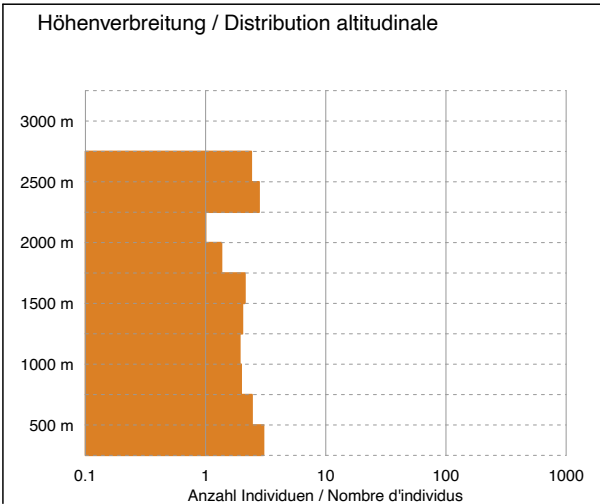
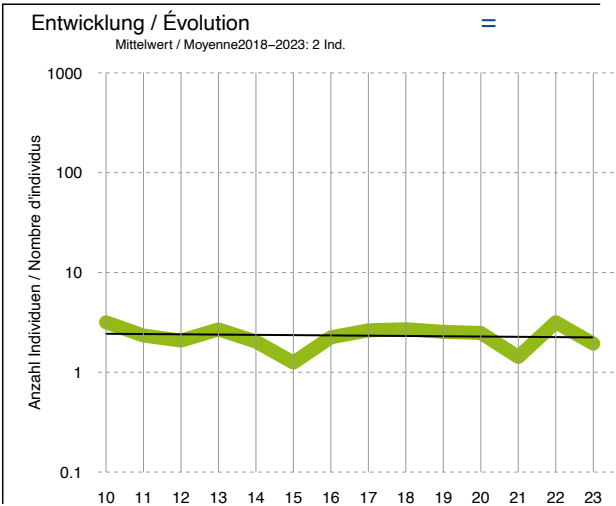
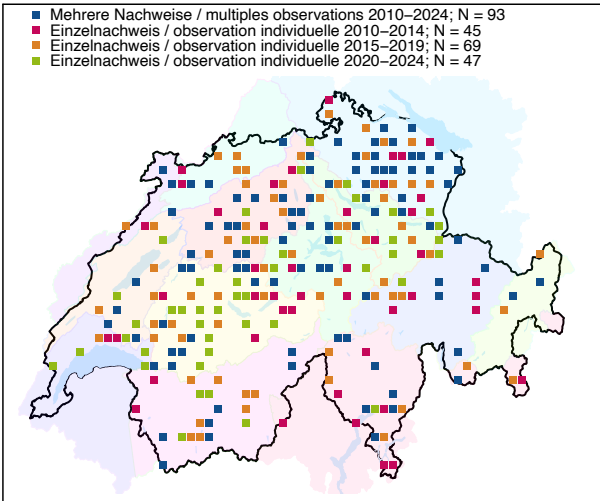


Thaumaleidae

Indikatorgruppe: 0



Indikatorgruppe: 0

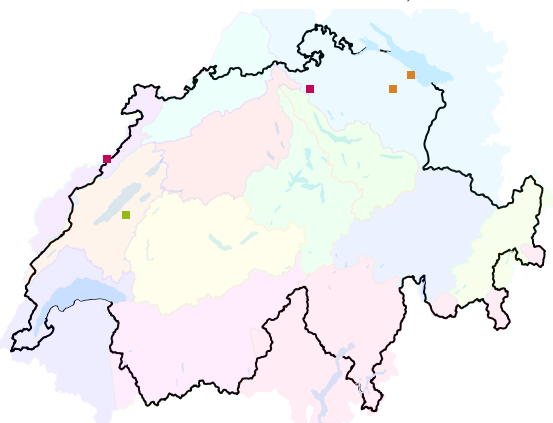


Valvatidae

Indikatorgruppe:

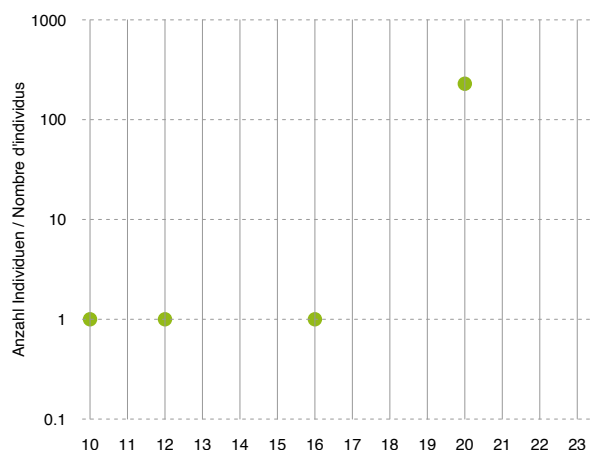
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 2
- Einzelnachweis / observation individuelle 2015–2019; N = 2
- Einzelnachweis / observation individuelle 2020–2024; N = 1

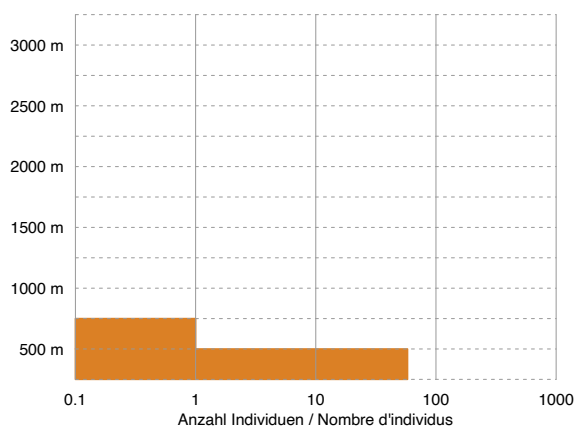


Entwicklung / Évolution

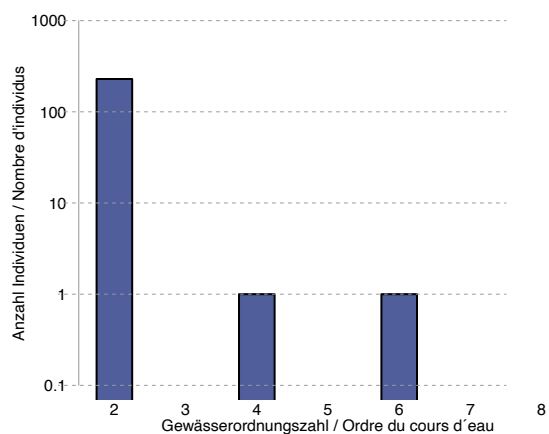
Mittelwert / Moyenne 2018–2023: 47 Ind.



Höhenverbreitung / Distribution altitudinale



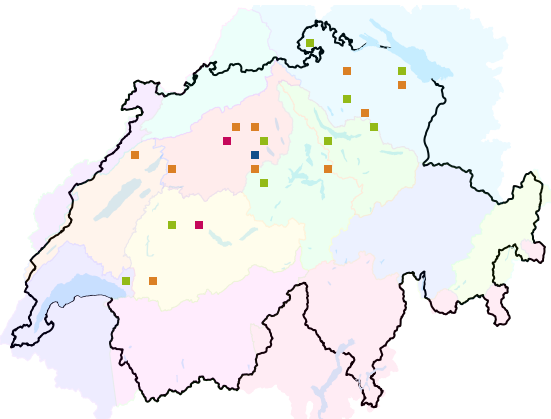
Gewässerordnungszahl / Ordre du cours d'eau



Indikatorgruppe:

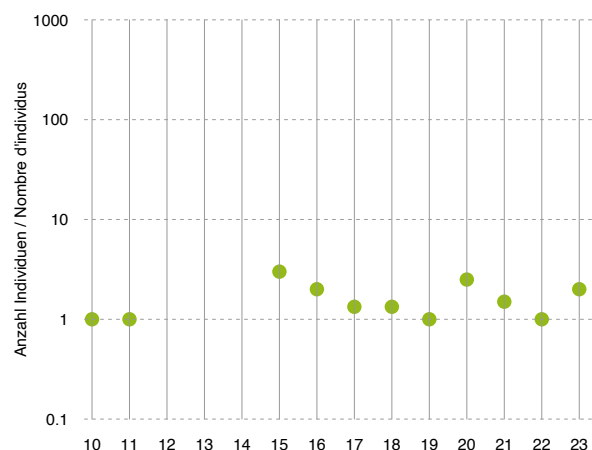
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 1
- Einzelnachweis / observation individuelle 2010–2014; N = 2
- Einzelnachweis / observation individuelle 2015–2019; N = 10
- Einzelnachweis / observation individuelle 2020–2024; N = 9

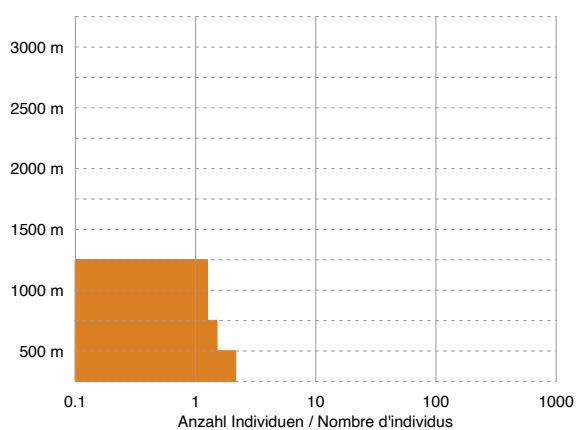


Entwicklung / Évolution

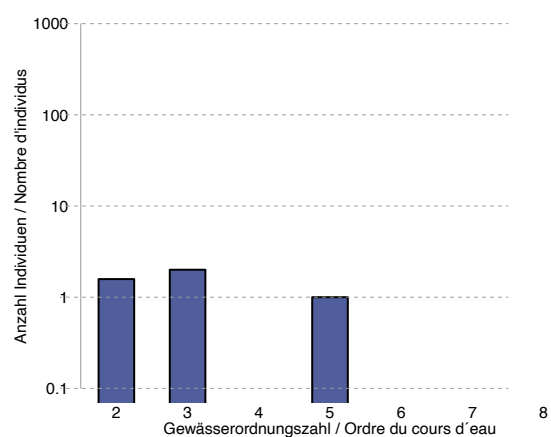
Mittelwert / Moyenne 2018–2023: 2 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau





Ephemeroptera

5499 *Alainites muticus* *Baetidae*

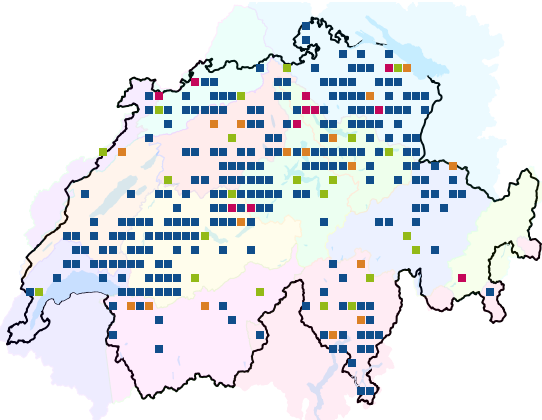
Status (RL / Prio):

LC / –

Indikatorgruppe:

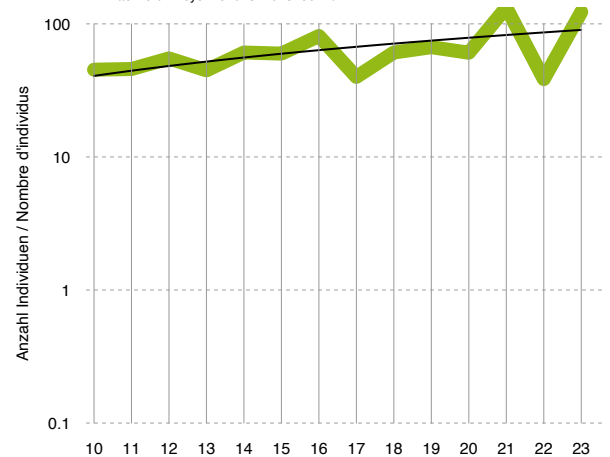
2

- Mehrere Nachweise / multiples observations 2010–2024; N = 240
- Einzelnachweis / observation individuelle 2010–2014; N = 11
- Einzelnachweis / observation individuelle 2015–2019; N = 17
- Einzelnachweis / observation individuelle 2020–2024; N = 22

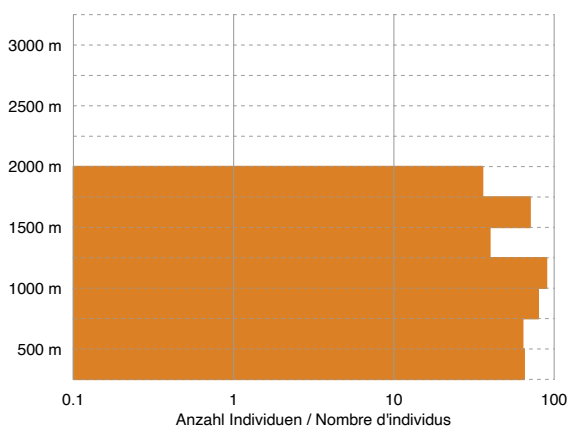


Entwicklung / Évolution

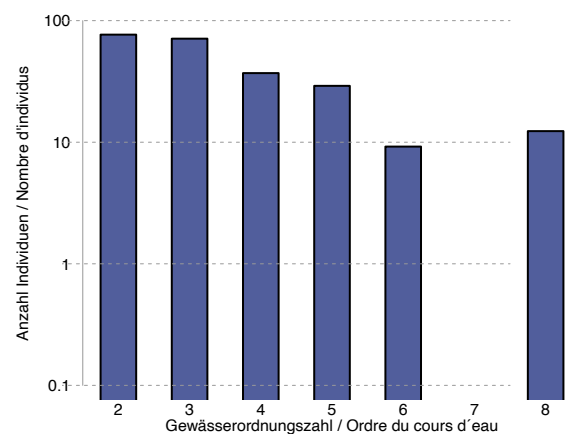
Mittelwert / Moyenne 2018–2023: 66 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau



5503 *Baetis alpinus* *Baetidae*

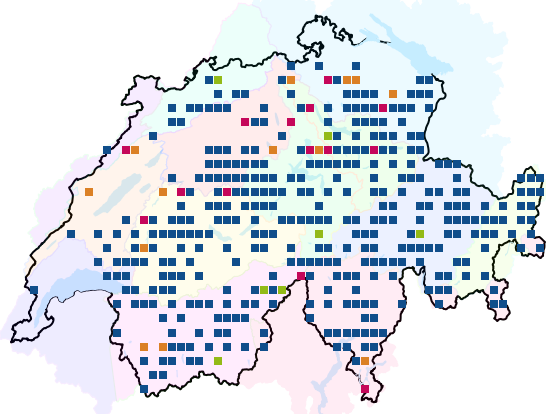
Status (RL / Prio):

LC / –

Indikatorgruppe:

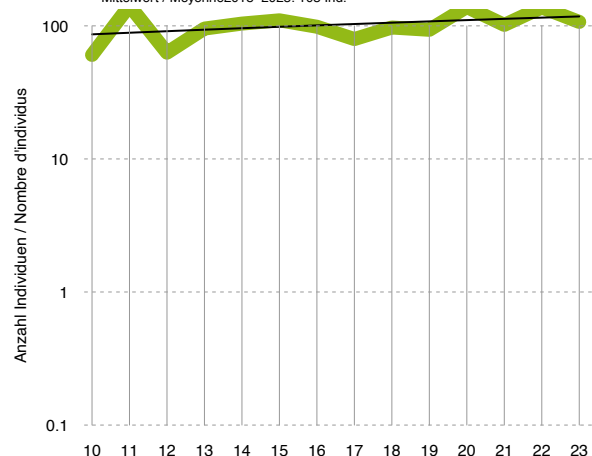
2

- Mehrere Nachweise / multiples observations 2010–2024; N = 349
- Einzelnachweis / observation individuelle 2010–2014; N = 14
- Einzelnachweis / observation individuelle 2015–2019; N = 13
- Einzelnachweis / observation individuelle 2020–2024; N = 7

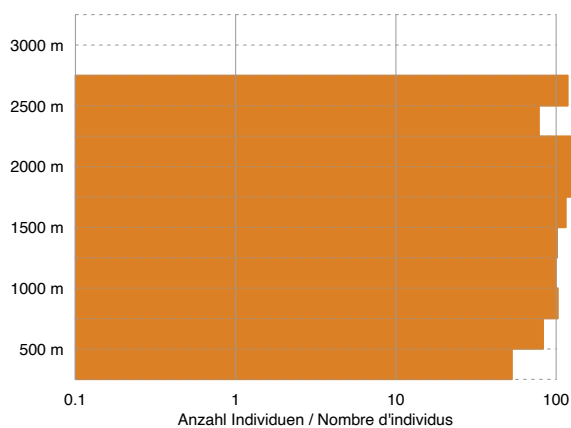


Entwicklung / Évolution

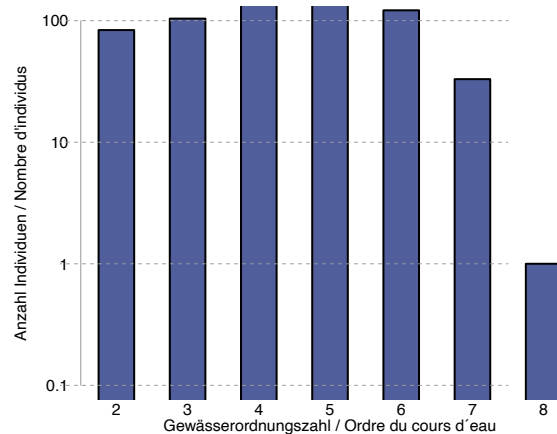
Mittelwert / Moyenne 2018–2023: 103 Ind.



Höhenverbreitung / Distribution altitudinale

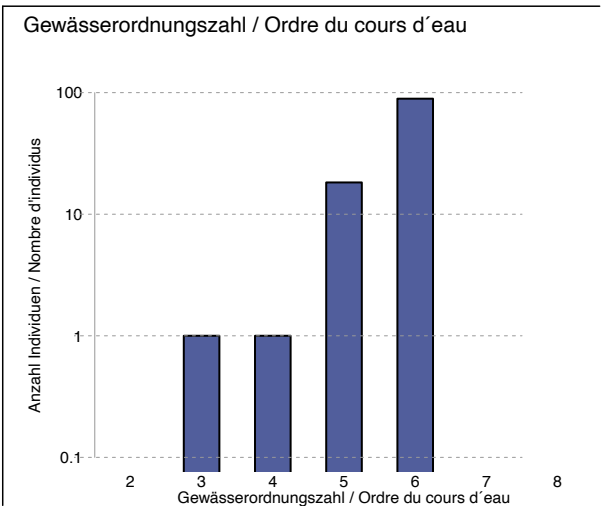
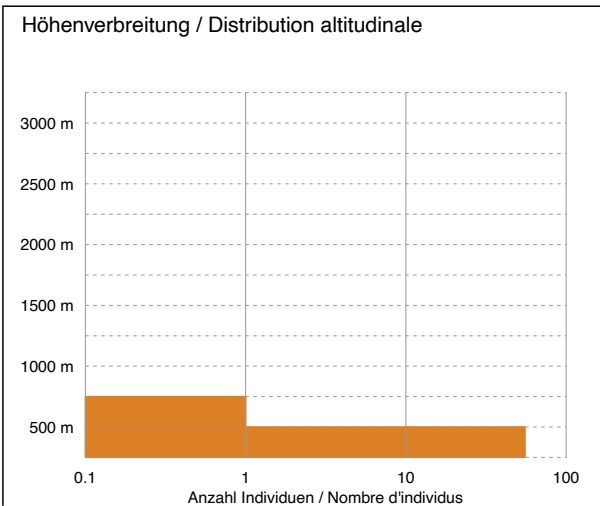
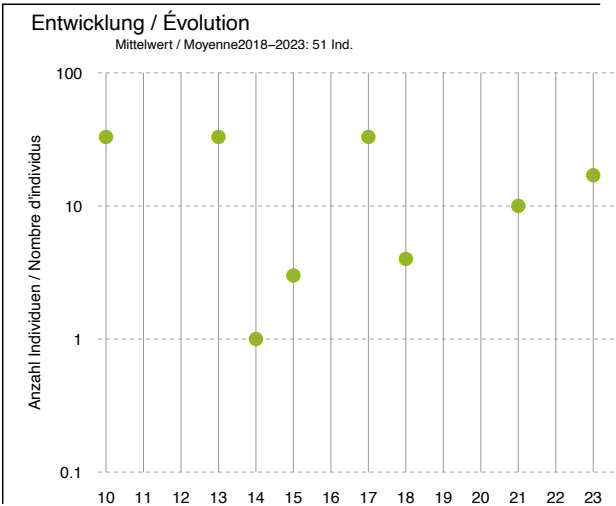
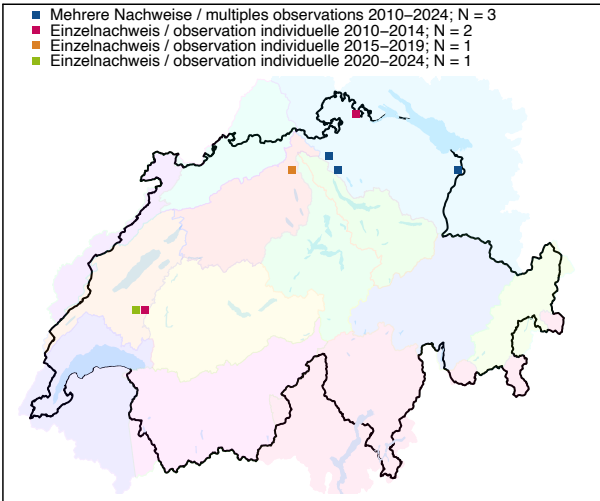


Gewässerordnungszahl / Ordre du cours d'eau



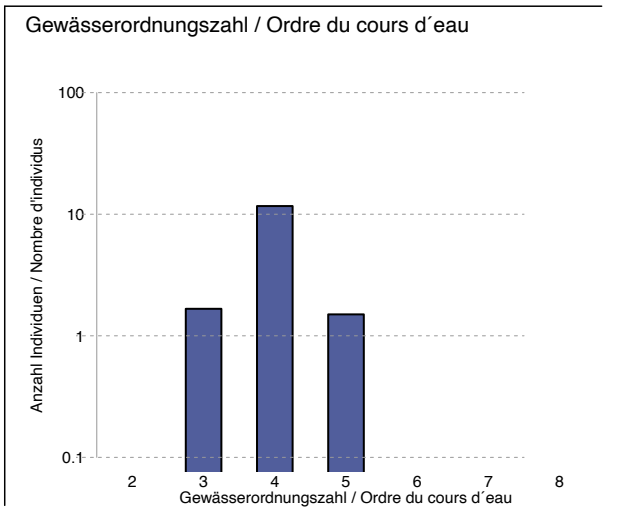
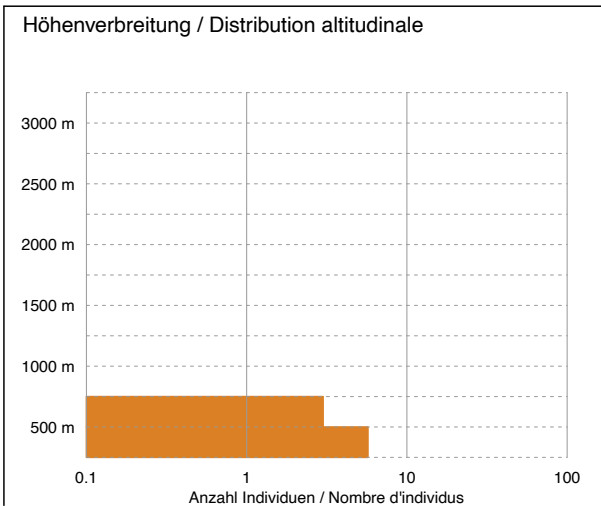
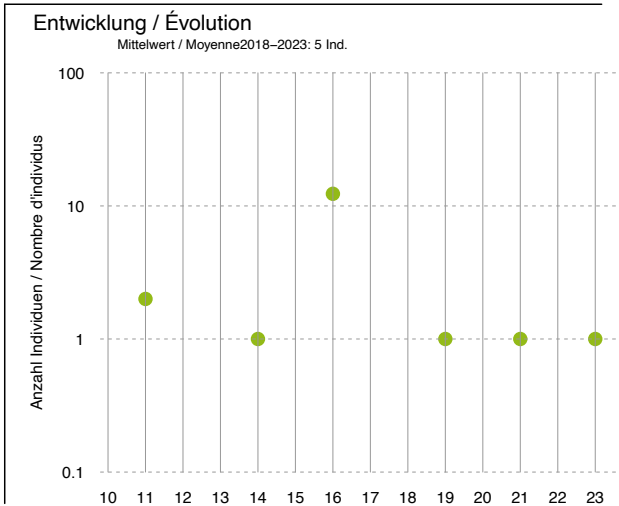
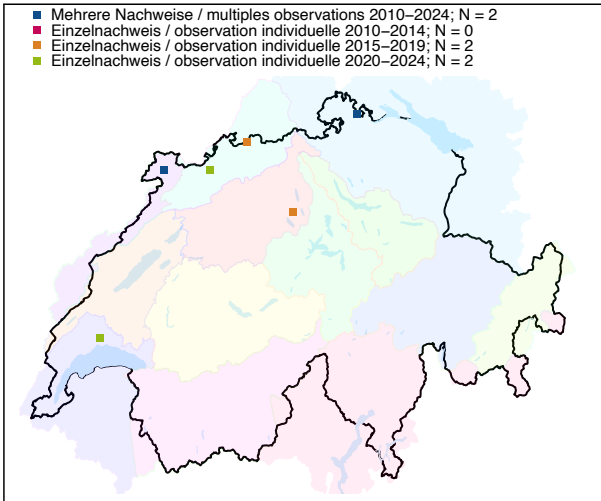
5504 *Baetis buceratus*
Baetidae

Status (RL / Prio):	VU / 4
Indikatorgruppe:	2



5501 *Baetis fuscatus*-Komplex
Baetidae
fuscatus, scambus

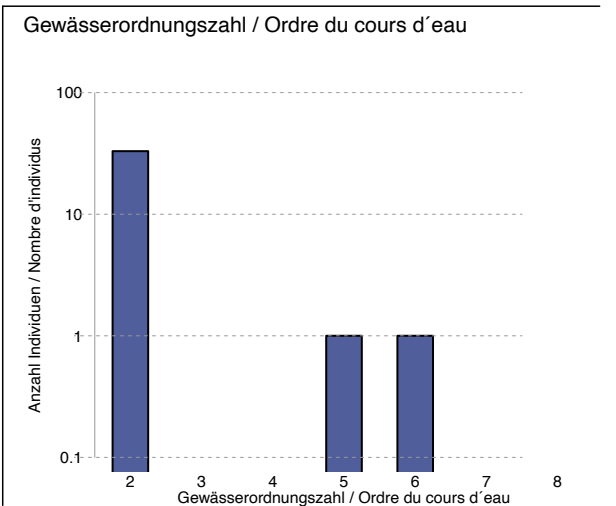
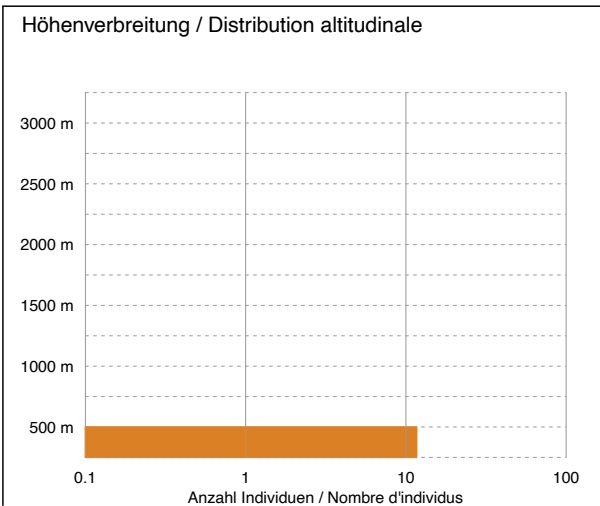
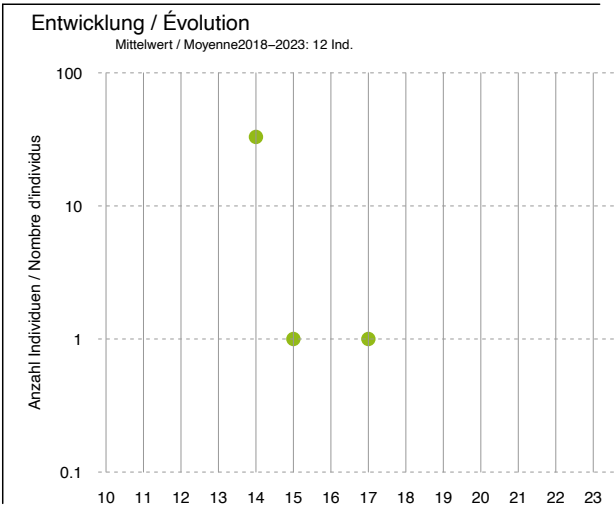
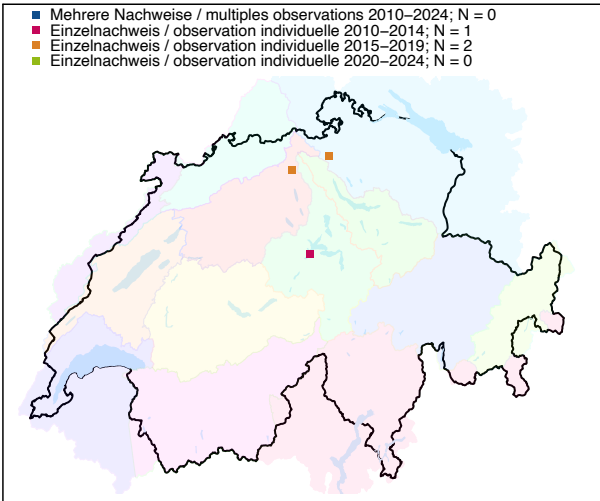
Status (RL / Prio):	LC / –
Indikatorgruppe:	2



5506 *Baetis liebenauae*

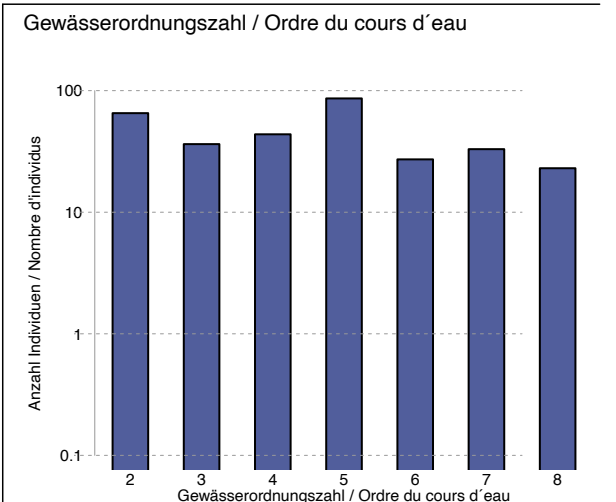
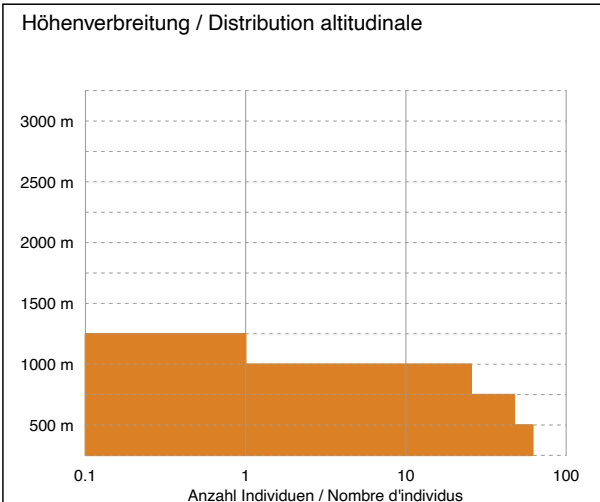
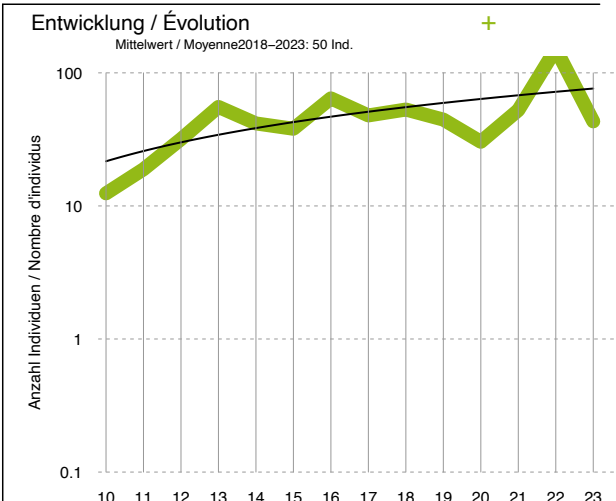
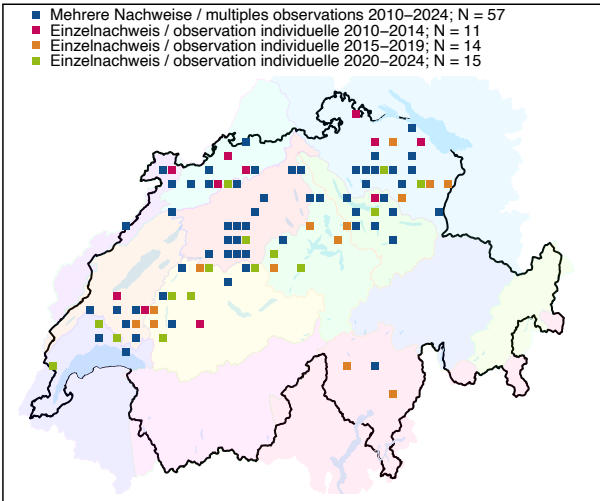
Baetidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



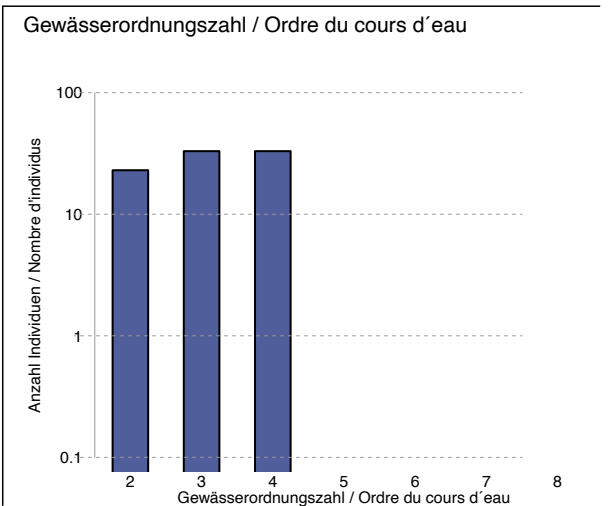
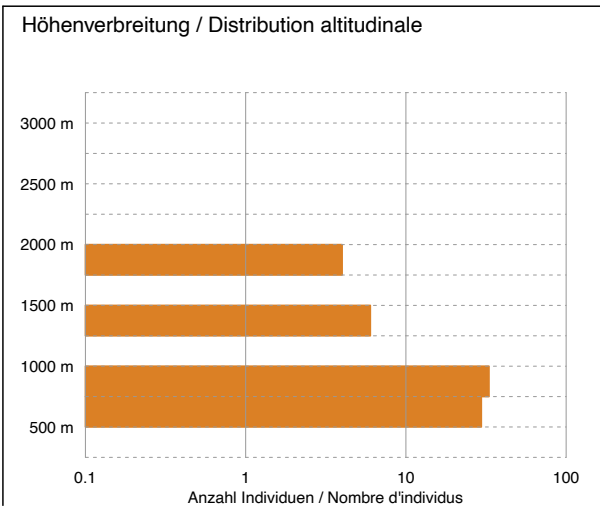
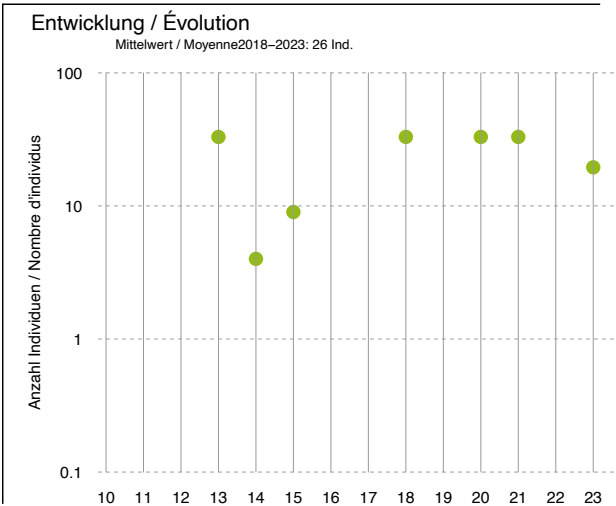
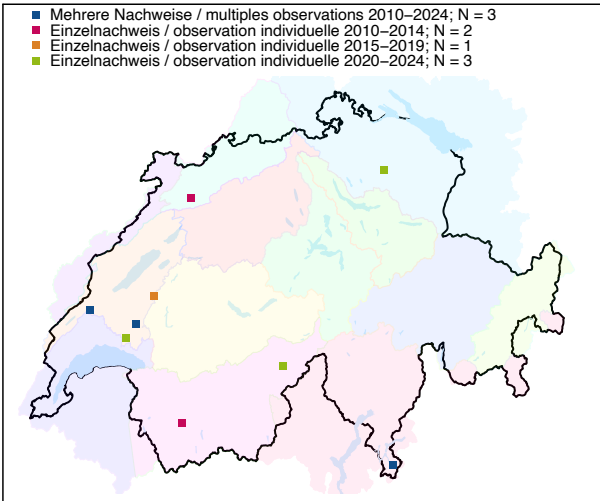
5507 *Baetis lutheri*
Baetidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	2



5508 *Baetis melanonyx*
Baetidae

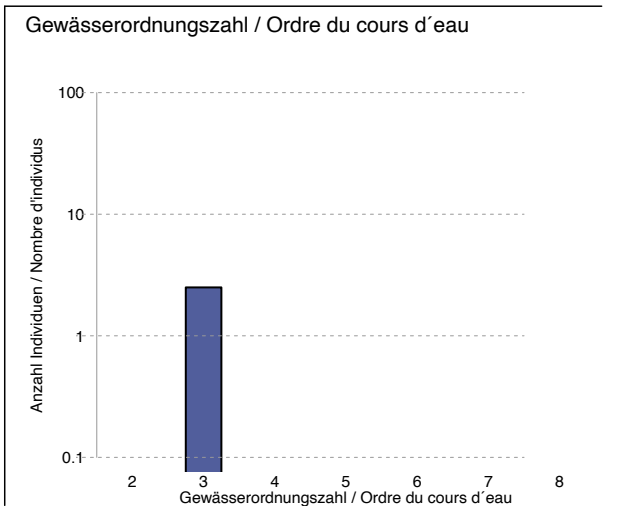
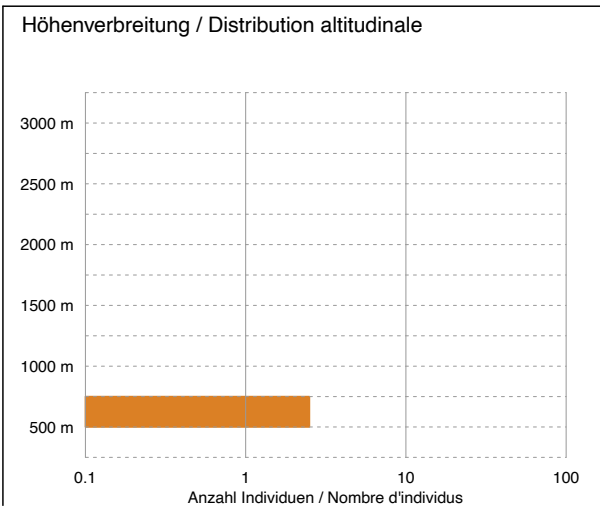
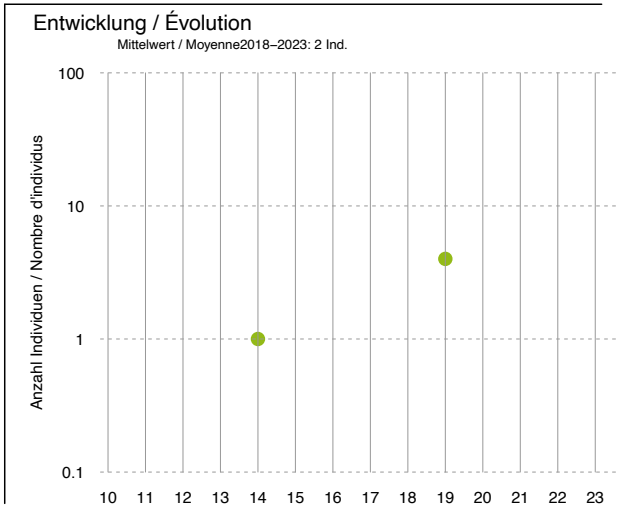
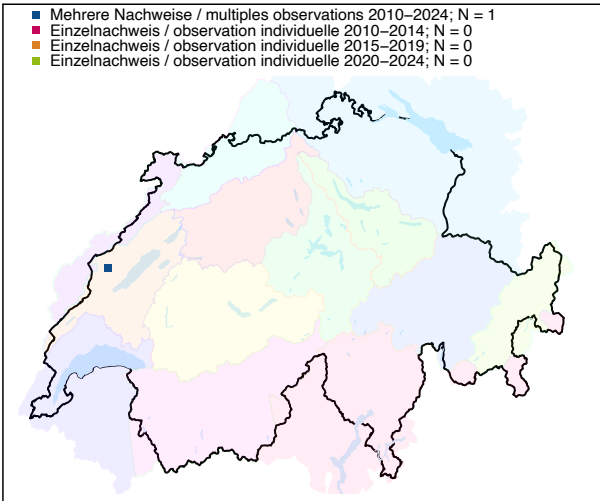
Status (RL / Prio):	NT / 4
Indikatorgruppe:	2



5509 *Baetis nubecularis*
Baetidae

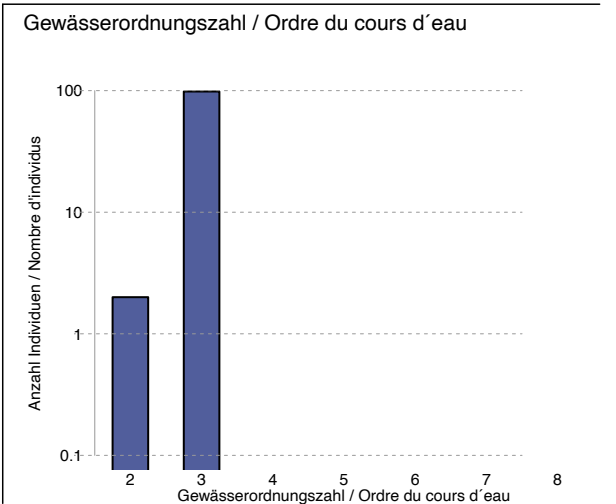
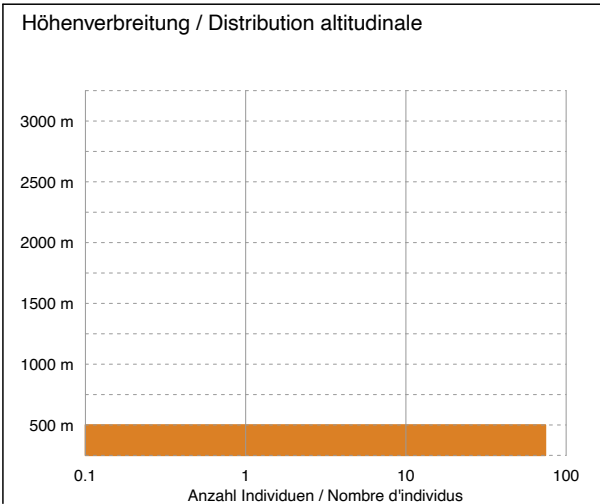
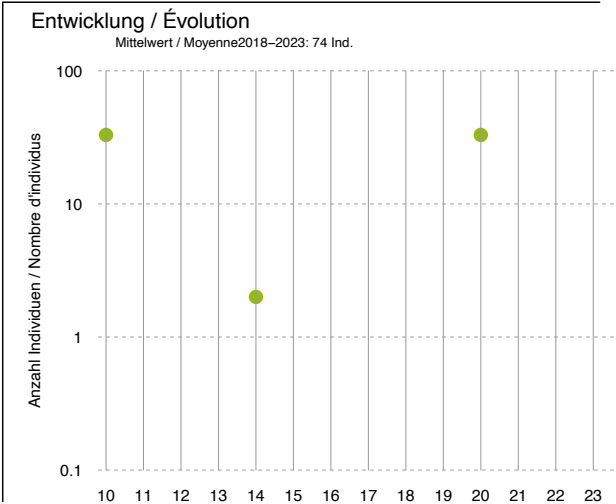
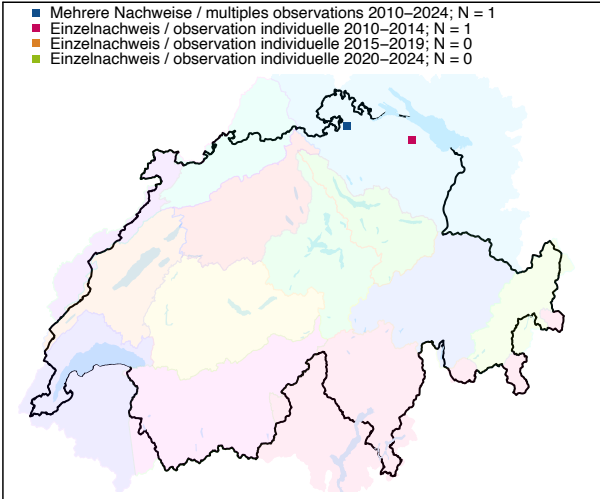
Status (RL / Prio): - / -

Indikatorgruppe: NA



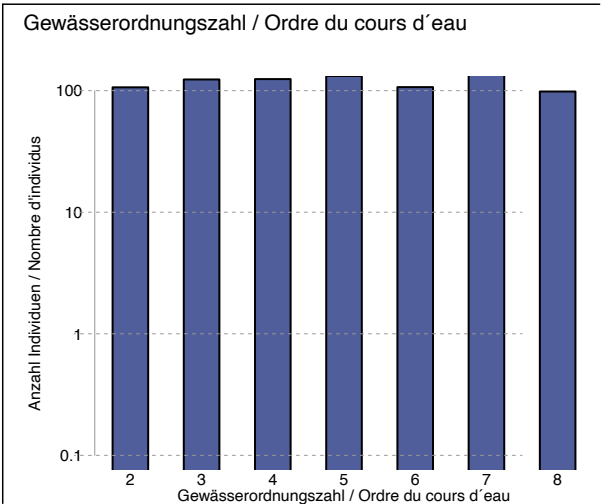
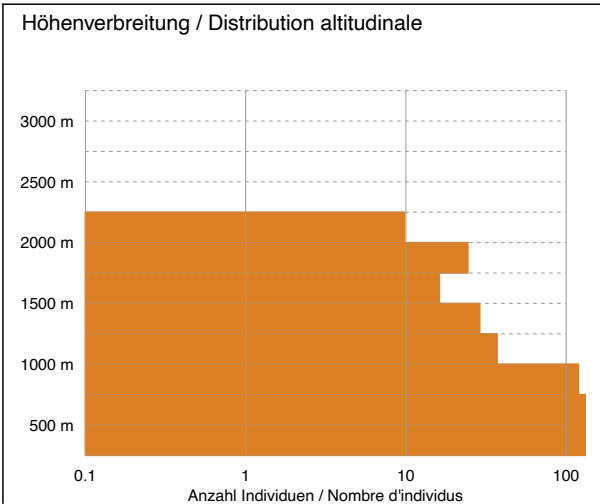
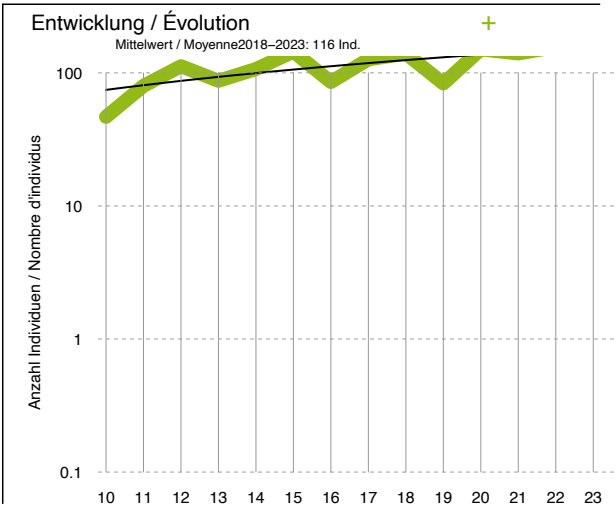
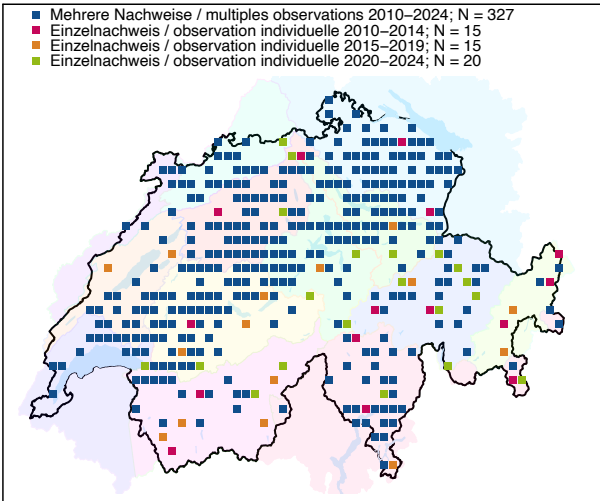
5510 *Baetis pentaphlebodes*
Baetidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



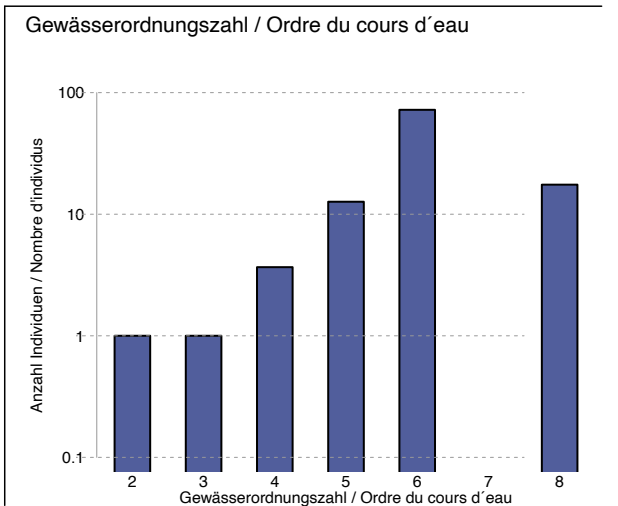
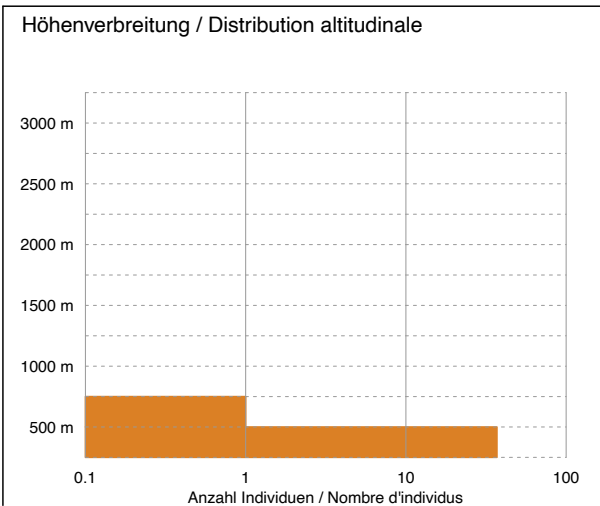
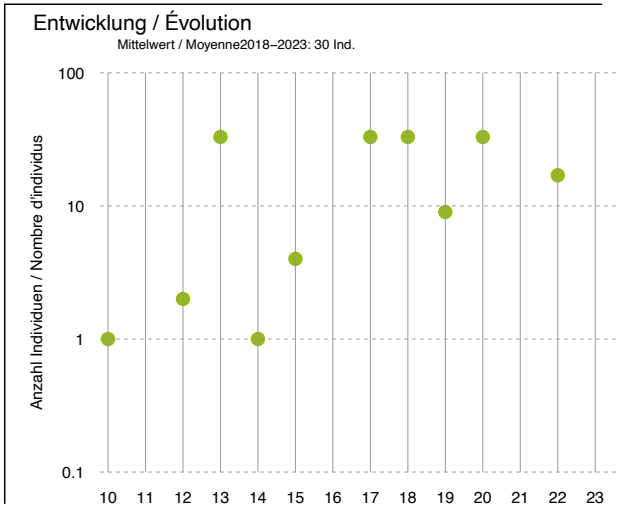
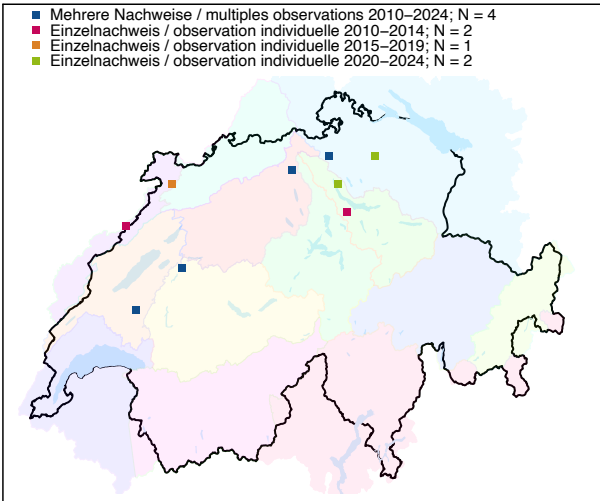
5511 *Baetis rhodani*
Baetidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	2



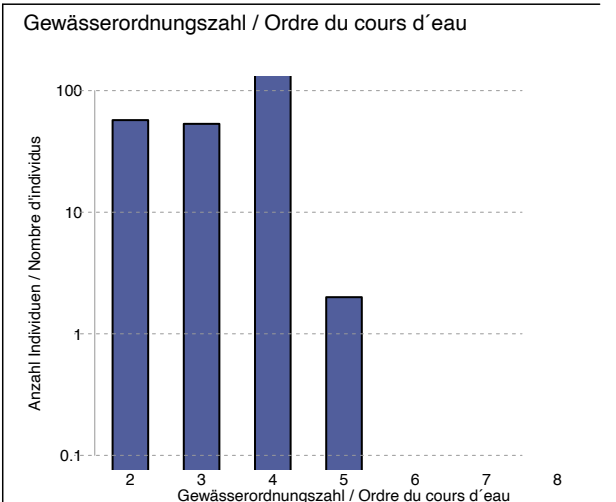
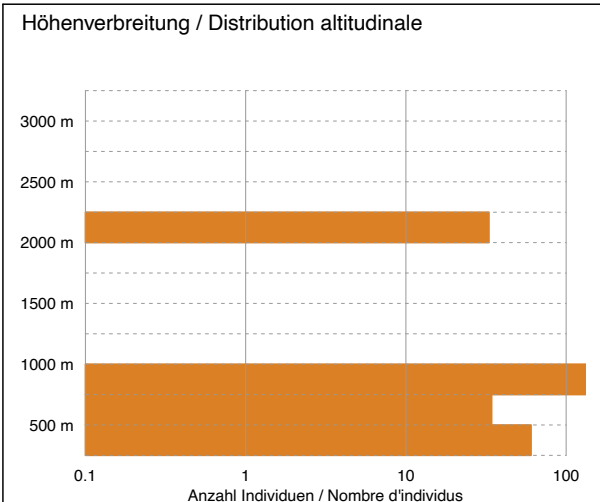
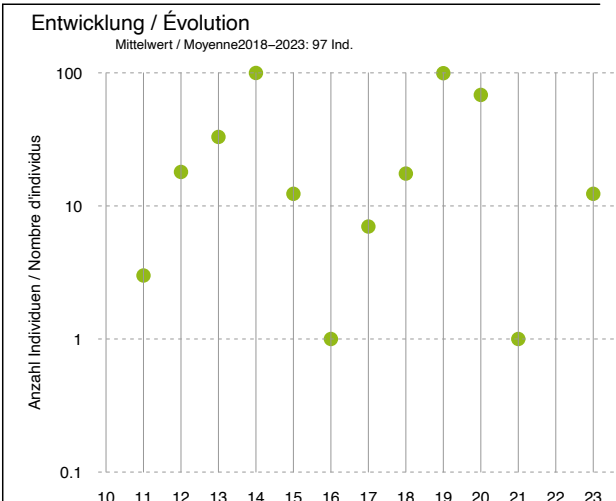
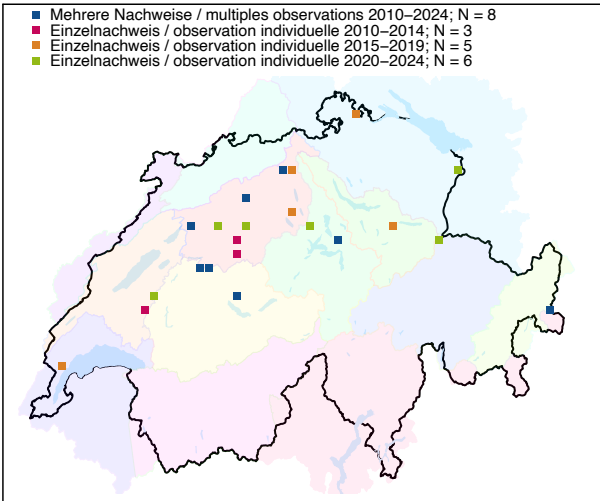
5513 *Baetis vardarensis*
Baetidae

Status (RL / Prio):	NT / –
Indikatorgruppe:	2



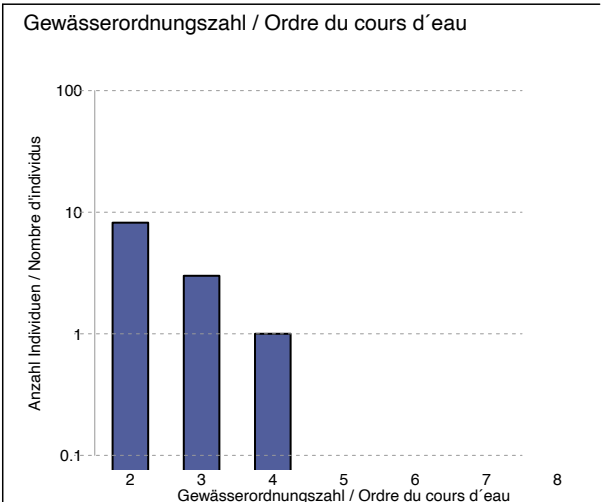
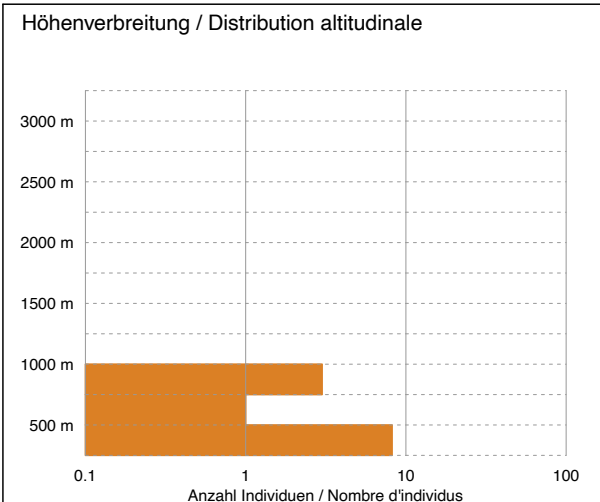
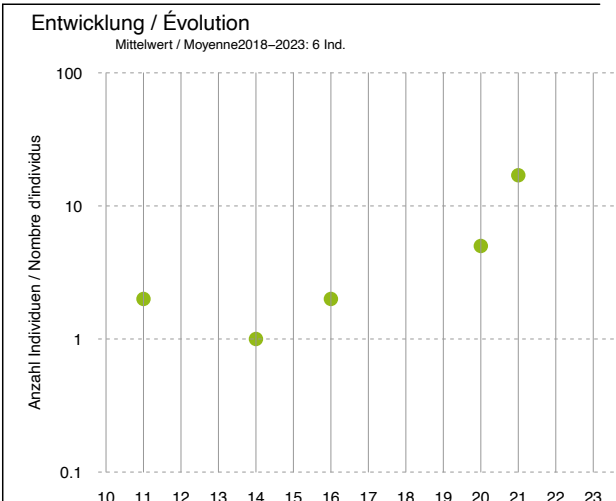
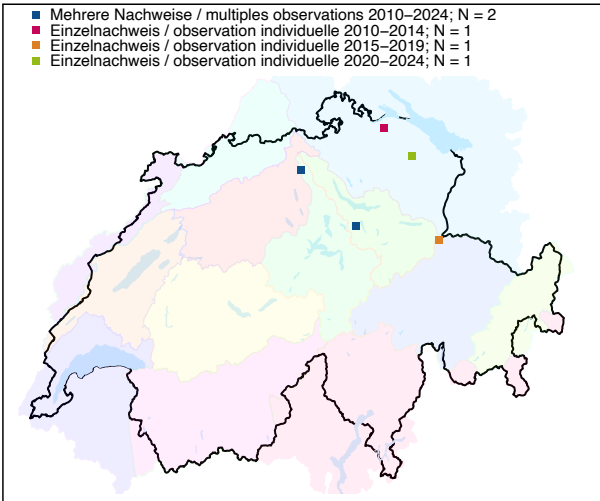
5514 *Baetis vernus*
Baetidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	2



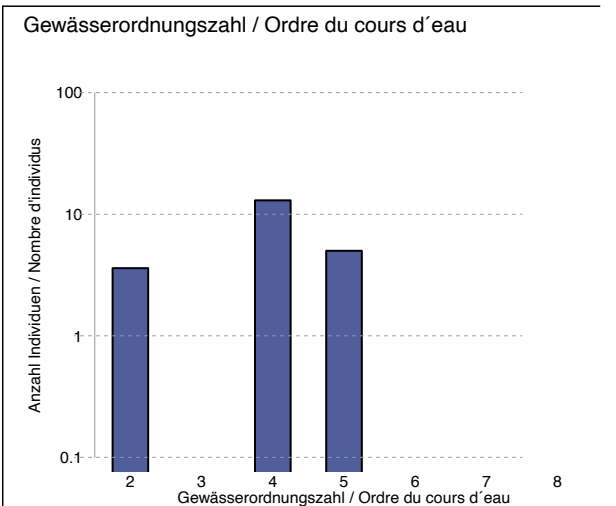
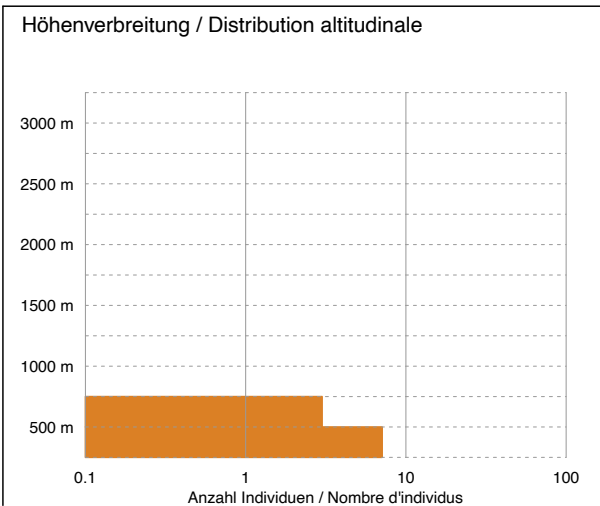
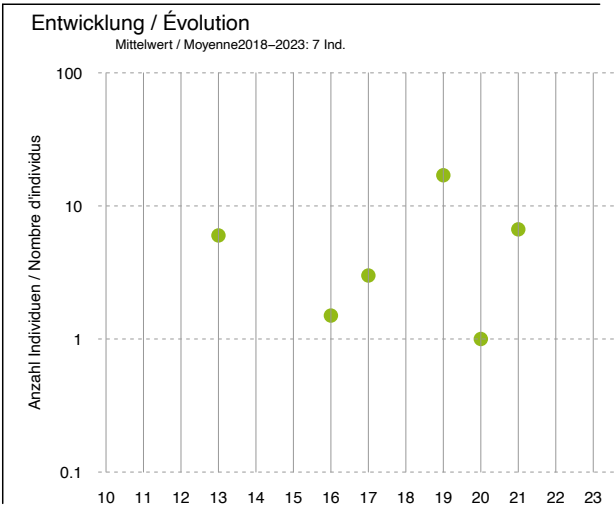
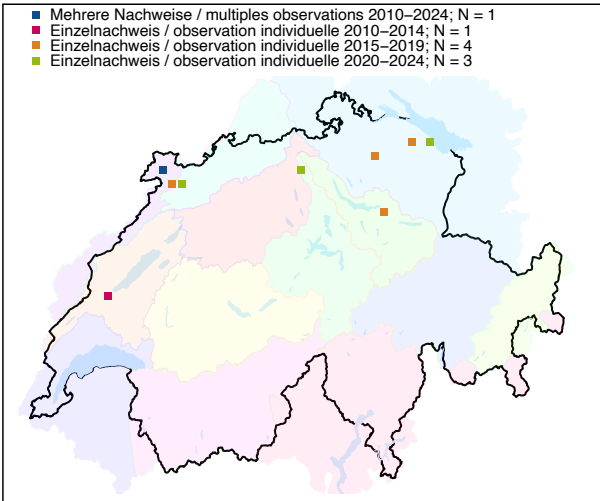
5516 *Caenis horaria*
Caenidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5518 *Caenis luctuosa*
Caenidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5519 *Caenis macrura* *Caenidae*

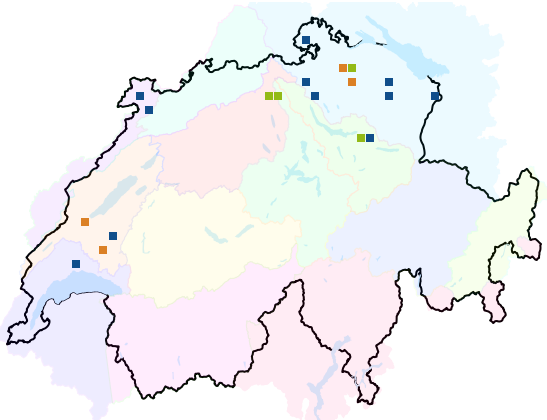
Status (RL / Prio):

LC / –

Indikatorgruppe:

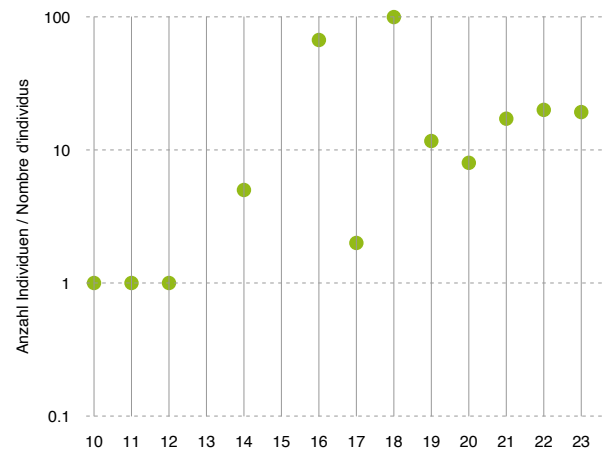
2

- Mehrere Nachweise / multiples observations 2010–2024; N = 11
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 4
- Einzelnachweis / observation individuelle 2020–2024; N = 4

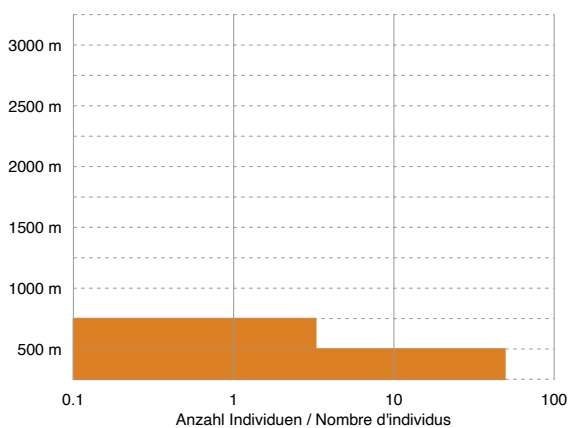


Entwicklung / Évolution

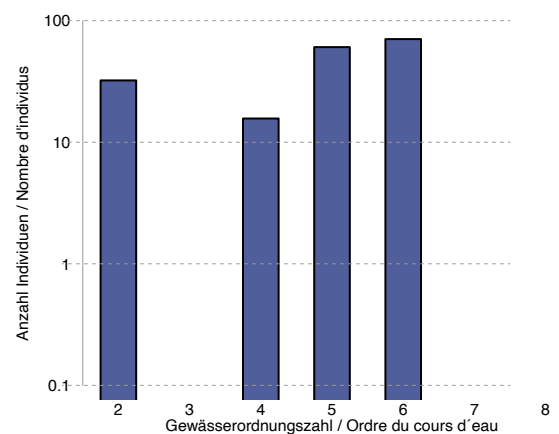
Mittelwert / Moyenne 2018–2023: 44 Ind.



Höhenverbreitung / Distribution altitudinale

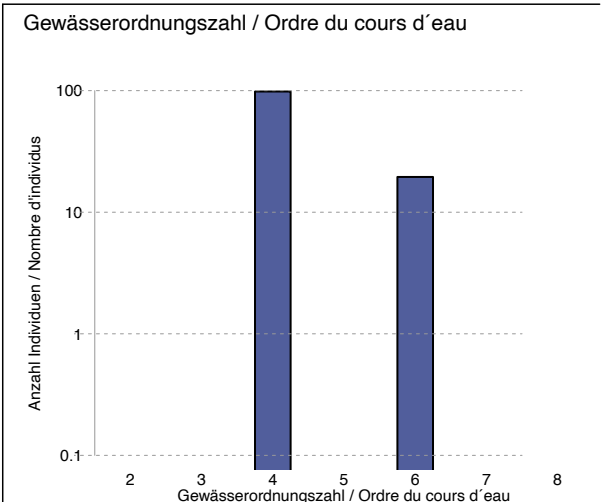
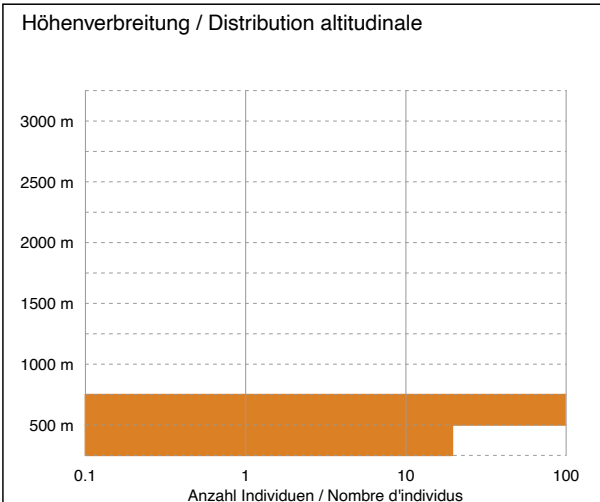
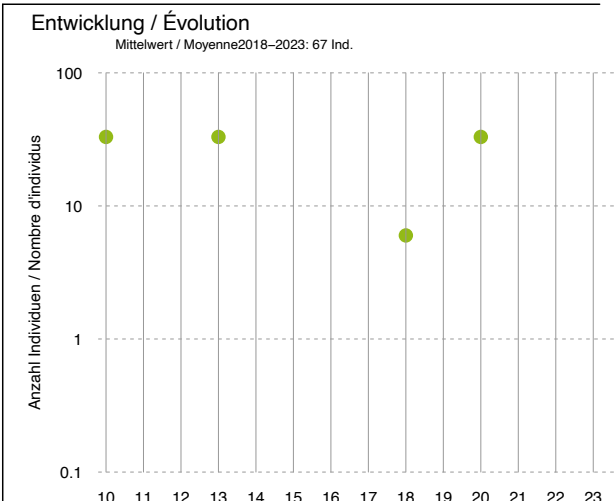
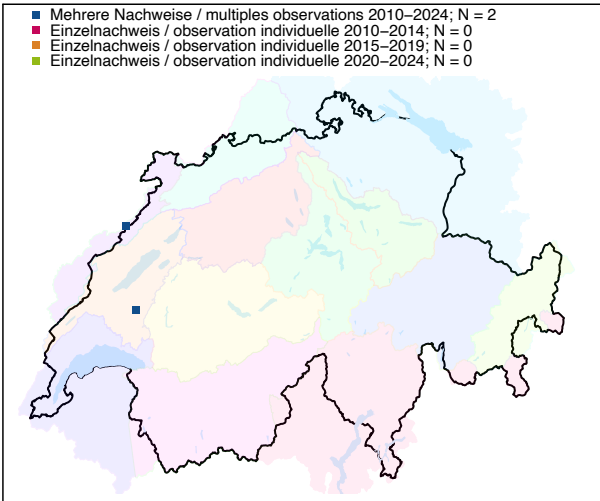


Gewässerordnungszahl / Ordre du cours d'eau



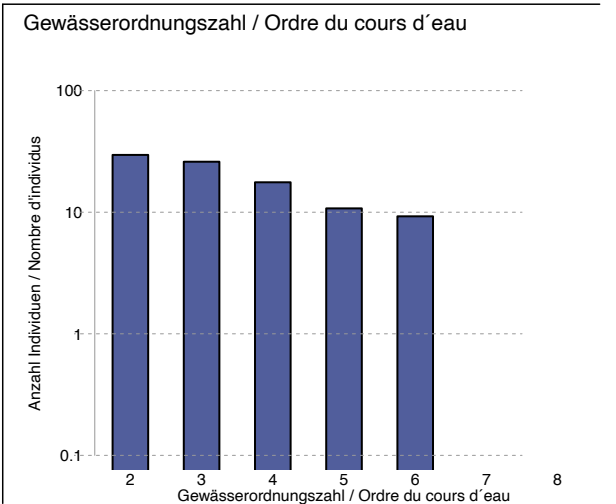
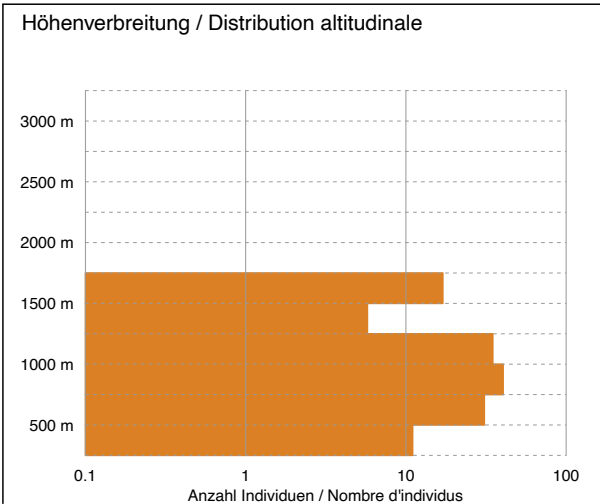
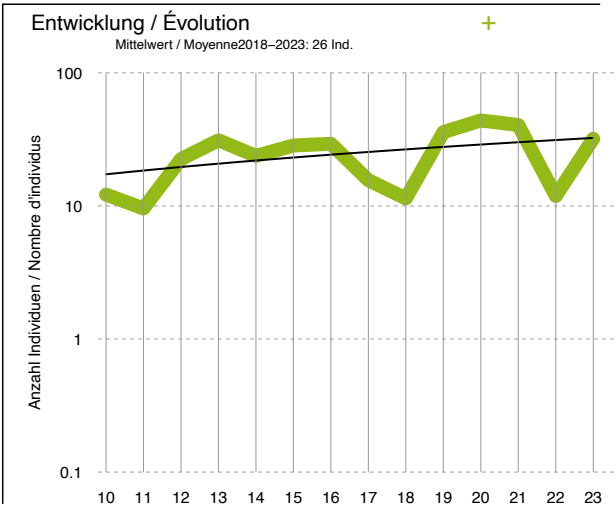
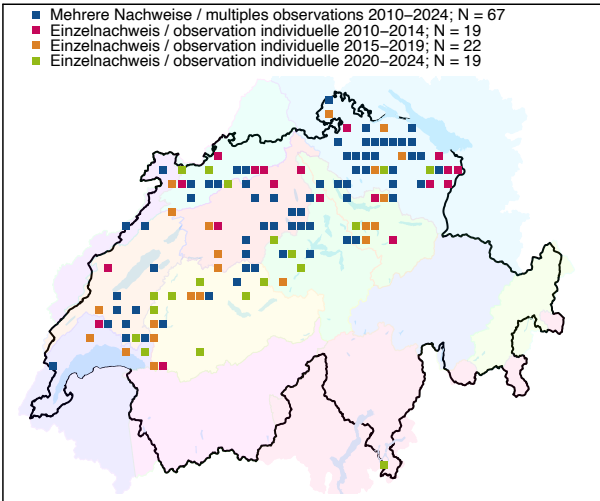
5521 *Caenis rivulorum*
Caenidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5523 *Centroptilum luteolum*
Baetidae

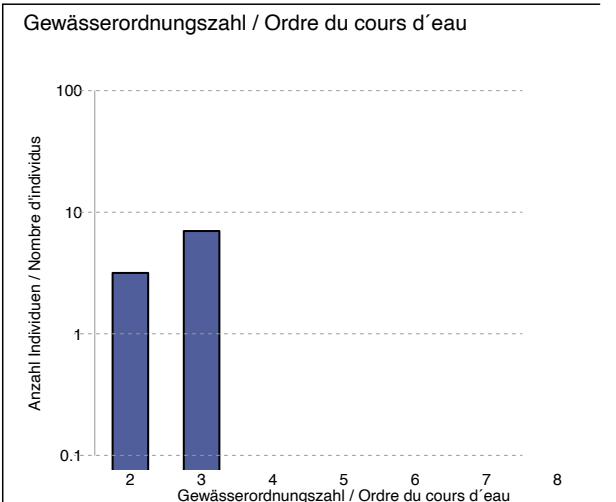
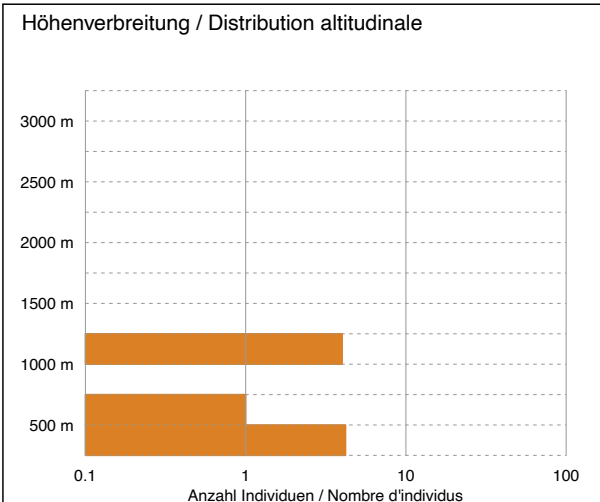
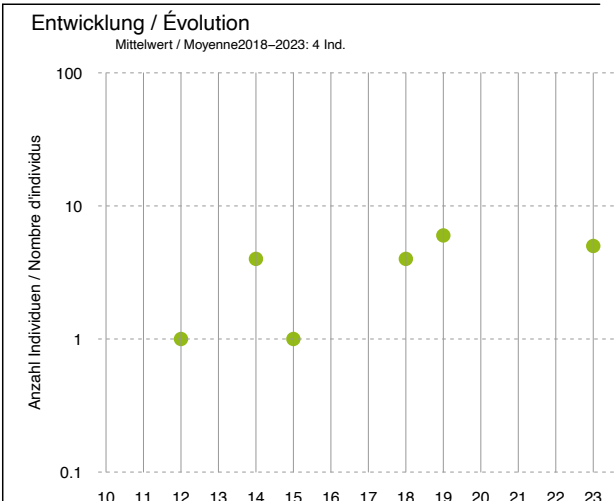
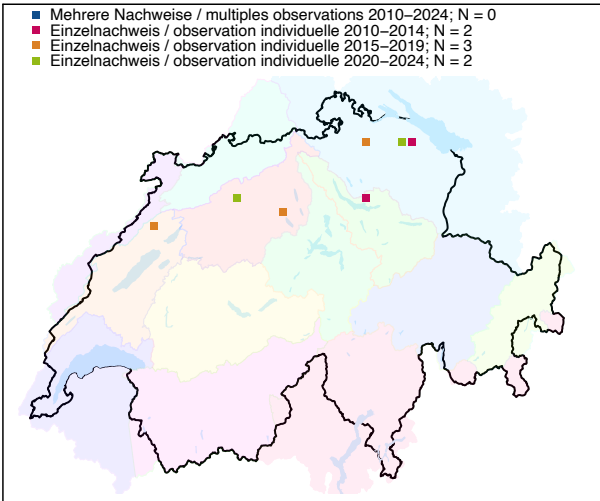
Status (RL / Prio):	LC / –
Indikatorgruppe:	2



5525 Cloeon dipterum

Baetidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA

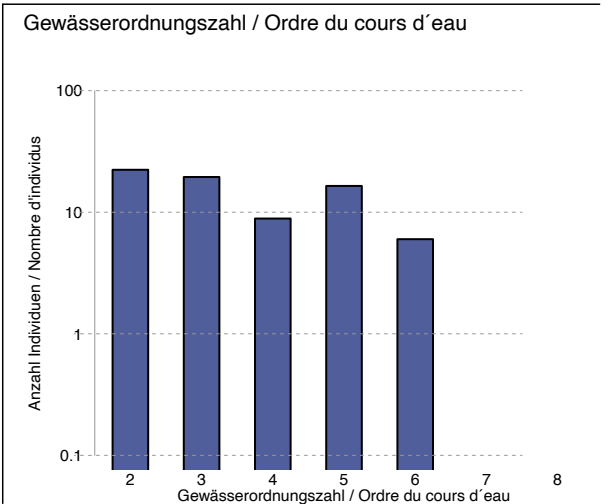
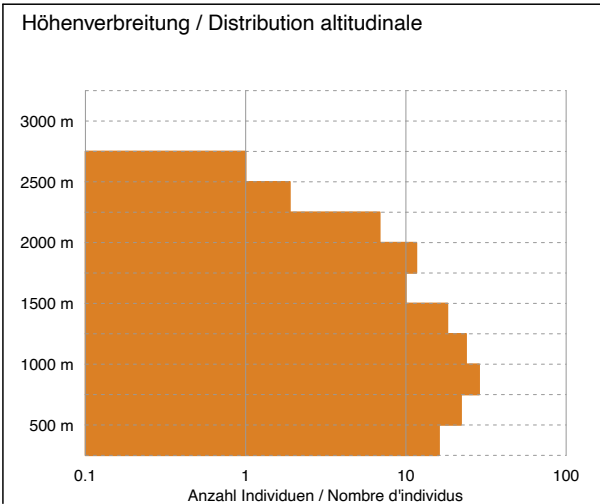
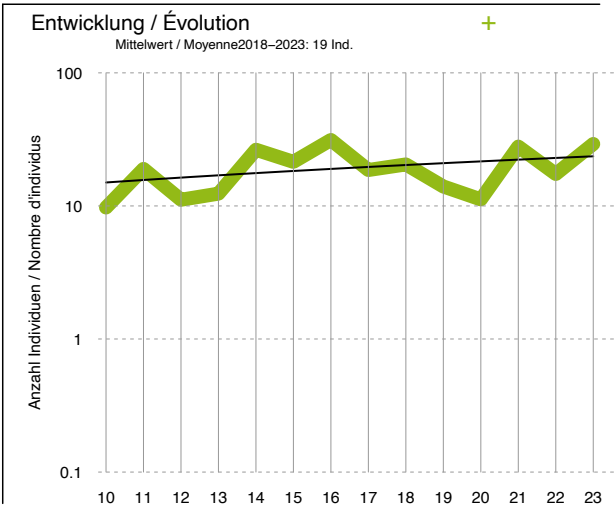
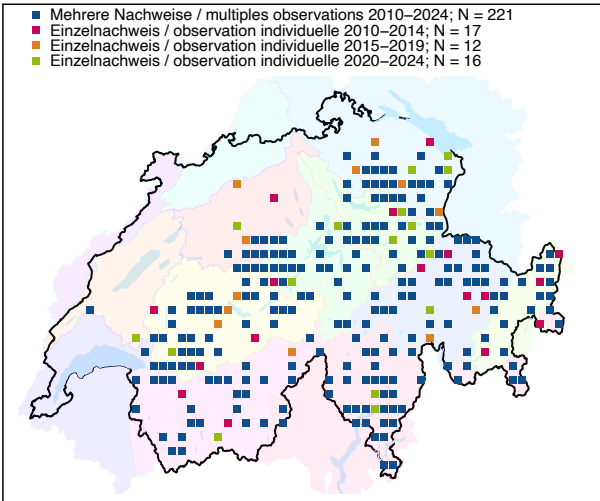


5527 *Ecdyonurus helveticus*–Komplex

Heptageniidae

alpinus, helveticus, parahelveticus, picteti

Status (RL / Prio):	– / –
Indikatorgruppe:	5

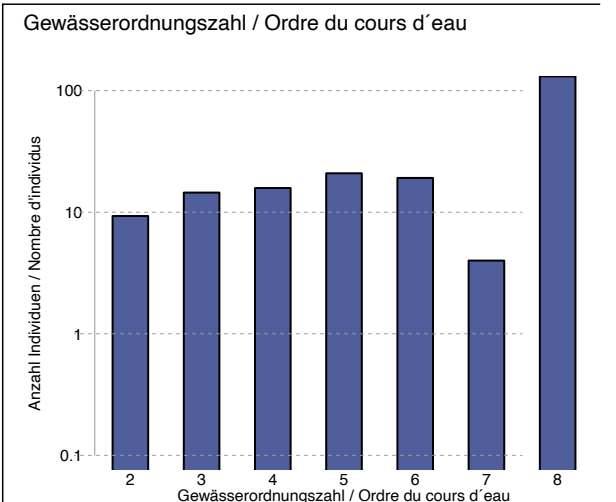
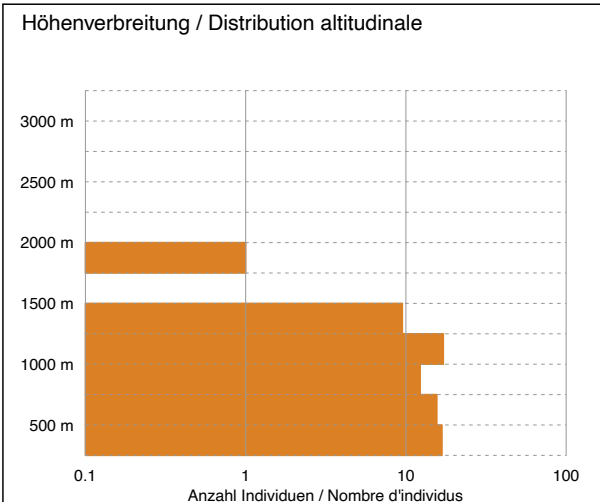
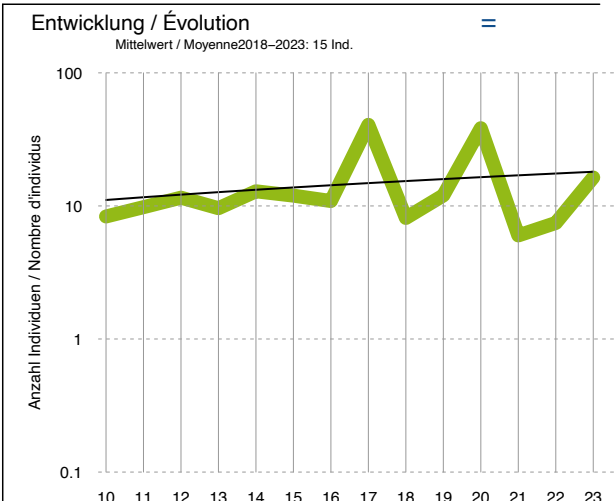
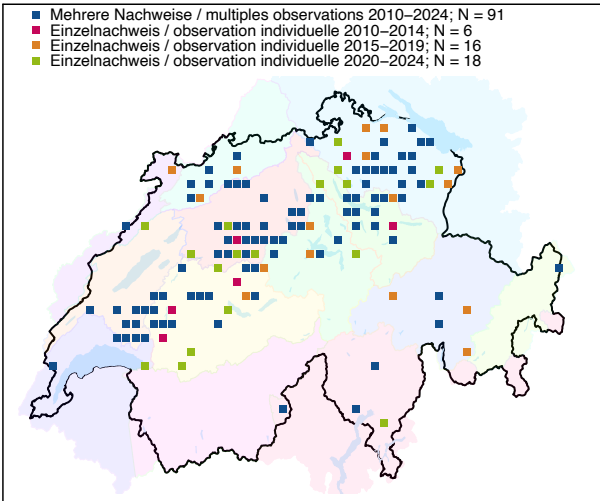


5528 *Ecdyonurus venosus*–Komplex

Heptageniidae

dispar, insignis, torrentis, venosus

Status (RL / Prio):	– / –
Indikatorgruppe:	5



8147 *Electrogena brulini*

Heptageniidae

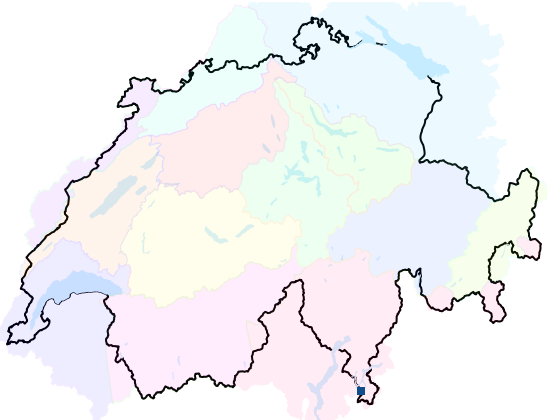
Status (RL / Prio):

– / –

Indikatorgruppe:

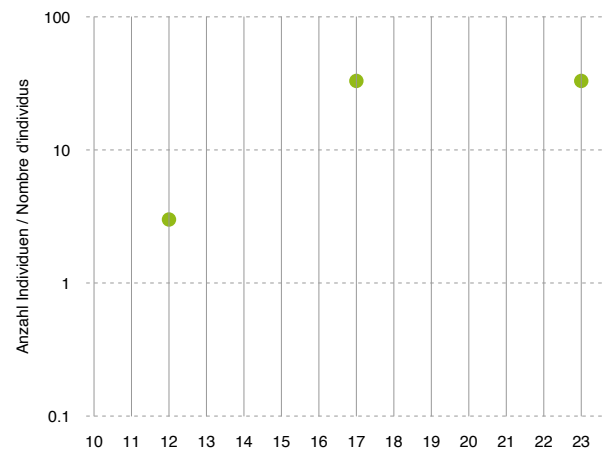
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 1
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 0

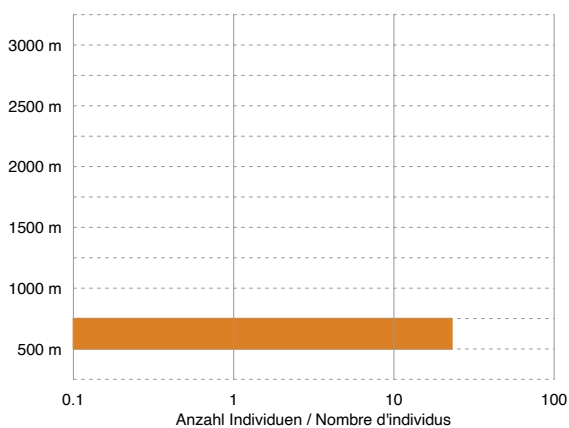


Entwicklung / Évolution

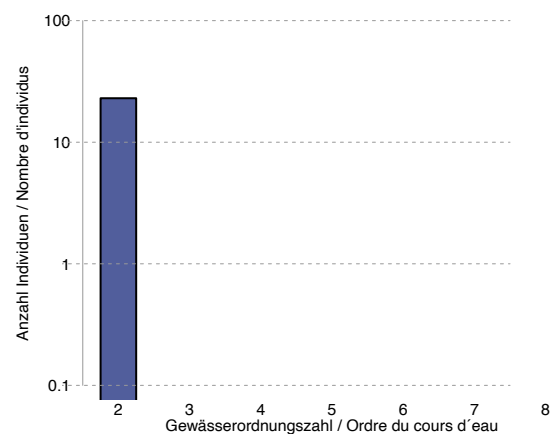
Mittelwert / Moyenne 2018–2023: 23 Ind.



Höhenverbreitung / Distribution altitudinale

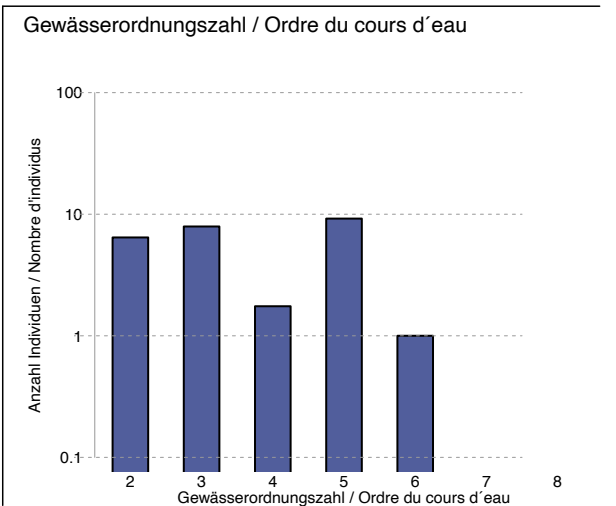
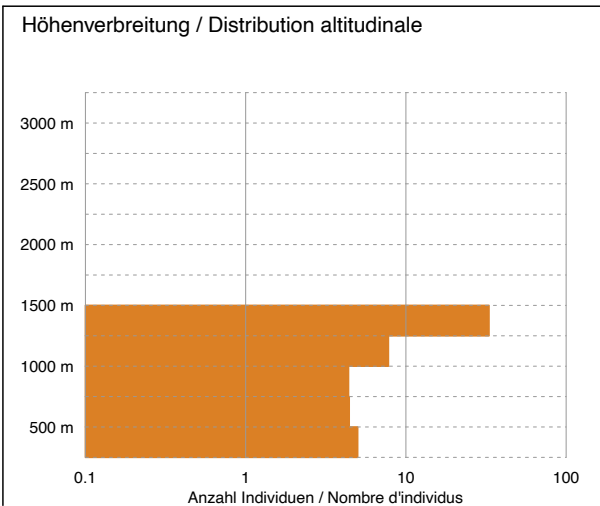
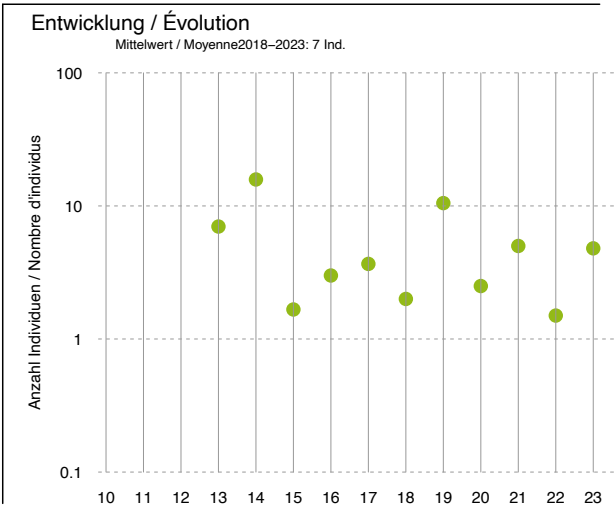
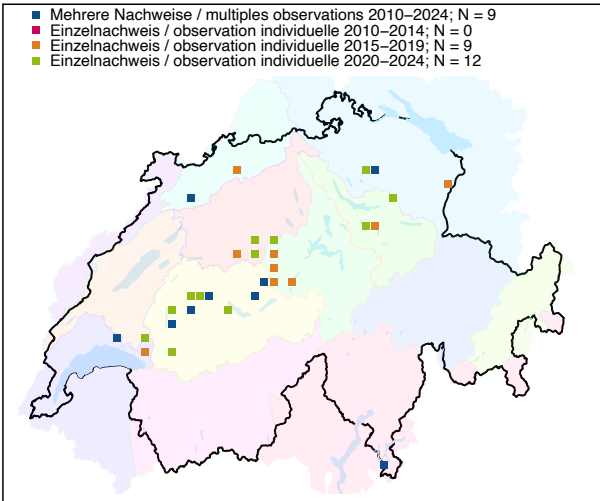


Gewässerordnungszahl / Ordre du cours d'eau



5539 *Electrogena lateralis*
Heptageniidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	5



5540 *Electrogena ujhelyii* Heptageniidae

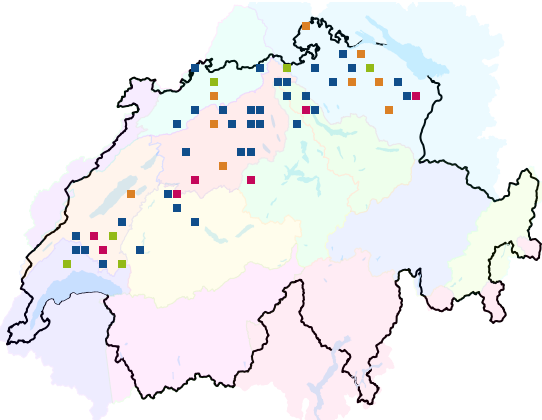
Status (RL / Prio):

LC / –

Indikatorgruppe:

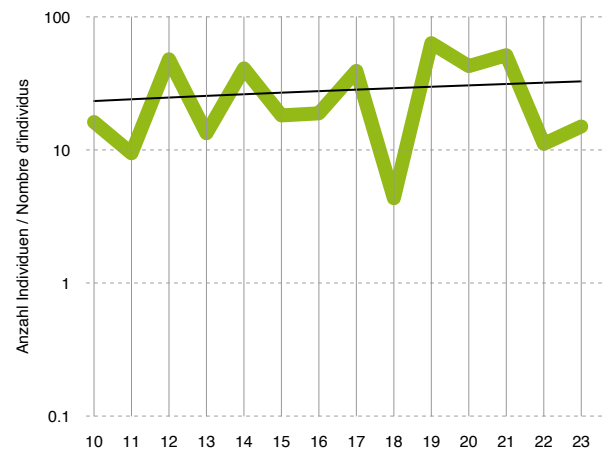
5

- Mehrere Nachweise / multiples observations 2010–2024; N = 34
- Einzelnachweis / observation individuelle 2010–2014; N = 7
- Einzelnachweis / observation individuelle 2015–2019; N = 9
- Einzelnachweis / observation individuelle 2020–2024; N = 6

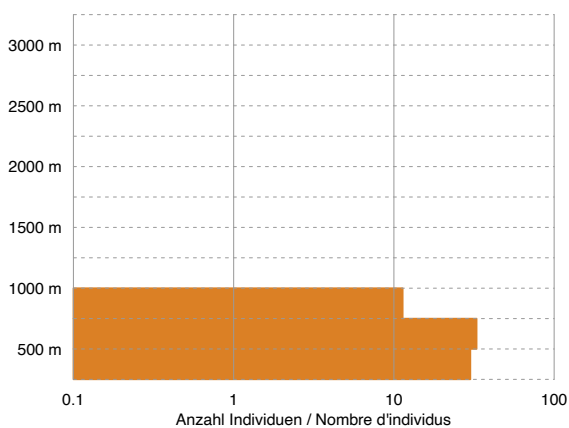


Entwicklung / Évolution

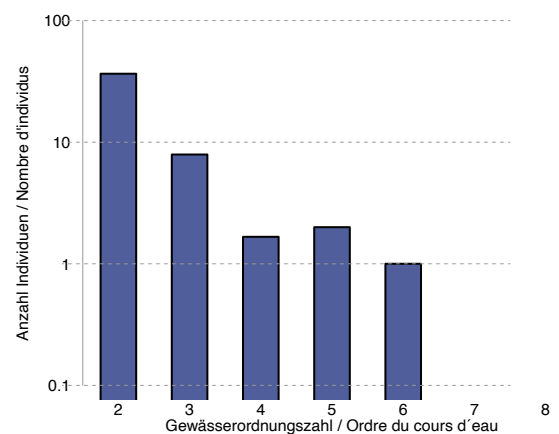
Mittelwert / Moyenne 2018–2023: 28 Ind.



Höhenverbreitung / Distribution altitudinale

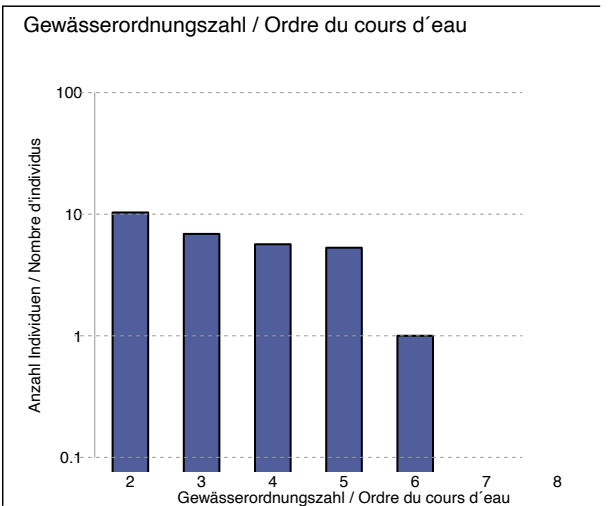
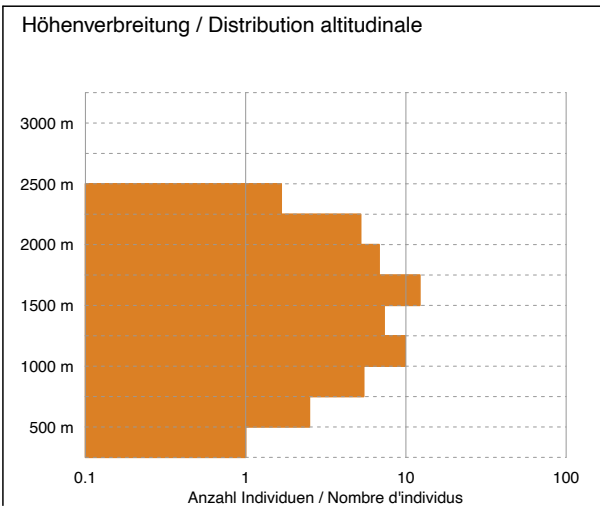
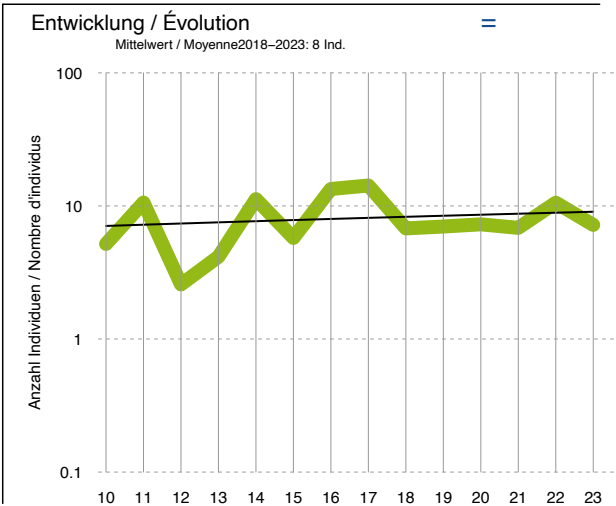
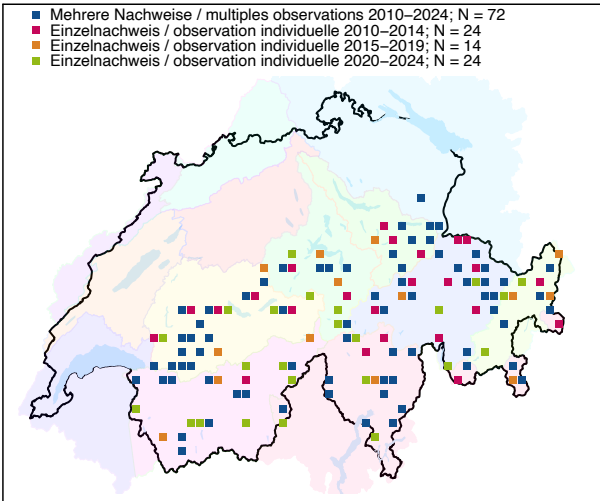


Gewässerordnungszahl / Ordre du cours d'eau



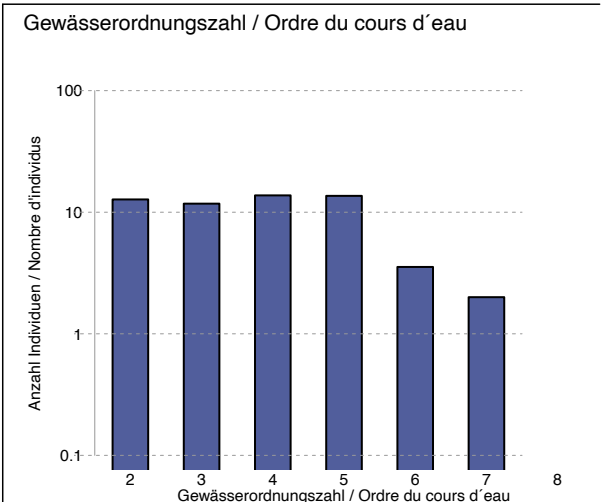
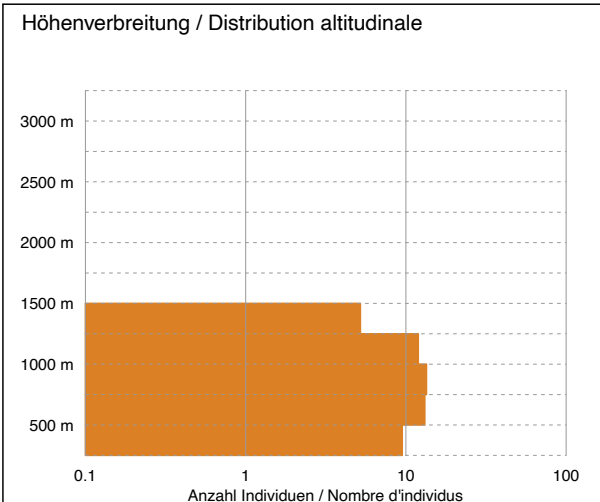
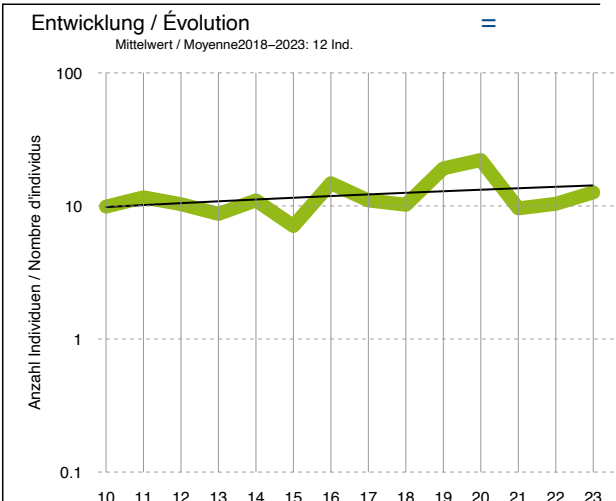
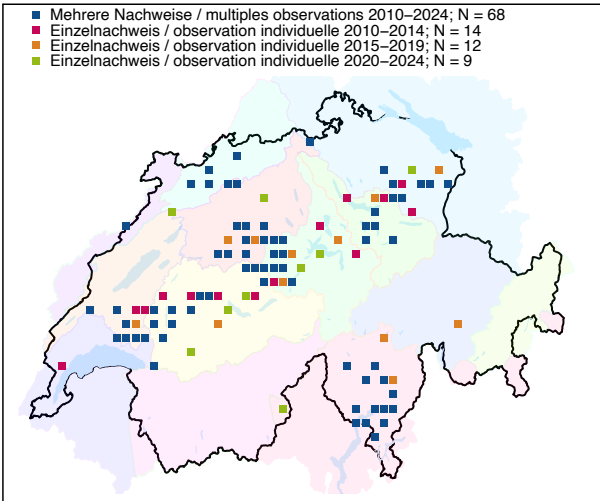
5541 *Epeorus alpicola*
Heptageniidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	5



5542 *Epeorus assimilis*
Heptageniidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	5



5543 *Ephemera danica* Ephemeridae

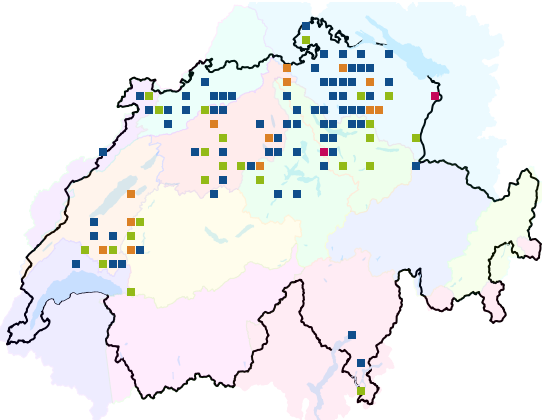
Status (RL / Prio):

LC / –

Indikatorgruppe:

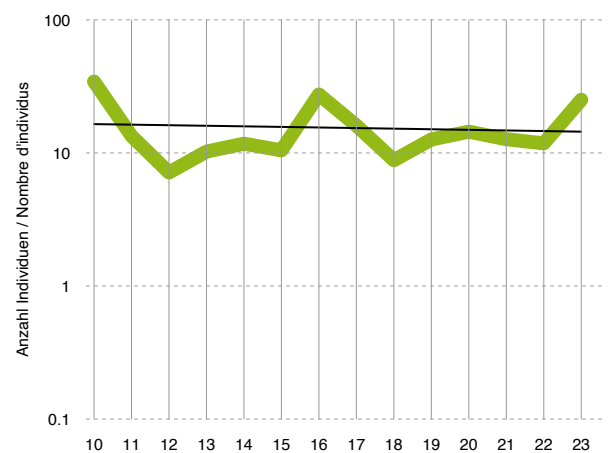
6

- Mehrere Nachweise / multiples observations 2010–2024; N = 69
- Einzelnachweis / observation individuelle 2010–2014; N = 2
- Einzelnachweis / observation individuelle 2015–2019; N = 13
- Einzelnachweis / observation individuelle 2020–2024; N = 24

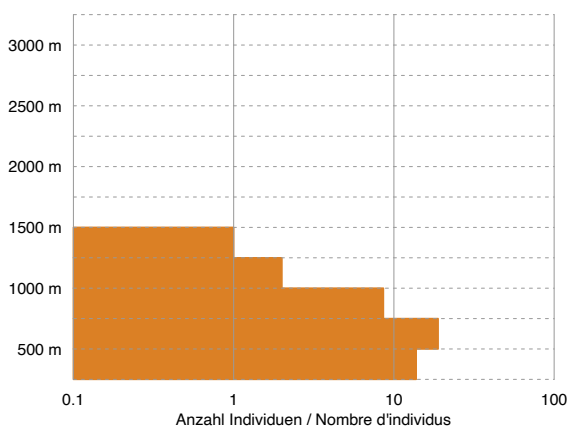


Entwicklung / Évolution

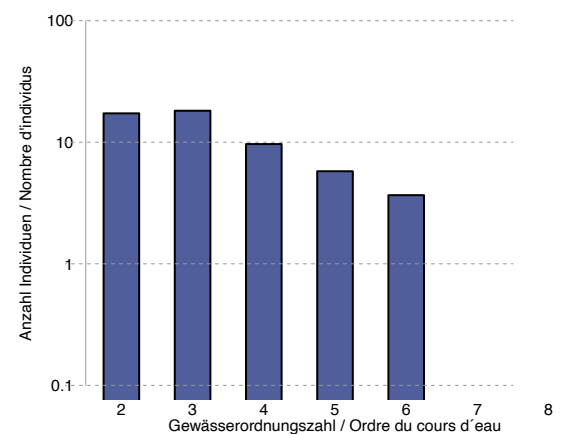
Mittelwert / Moyenne 2018–2023: 15 Ind.



Höhenverbreitung / Distribution altitudinale

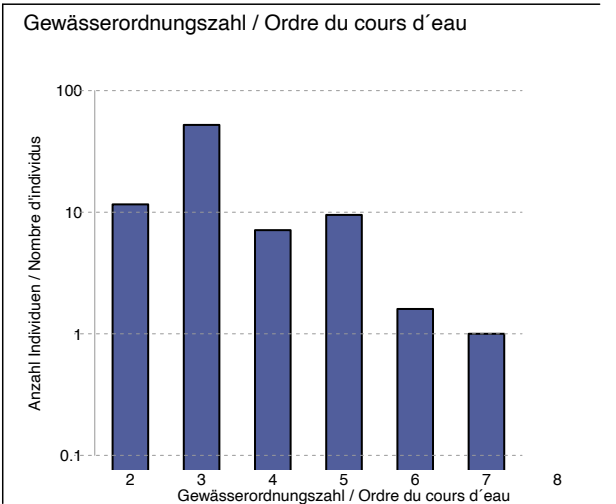
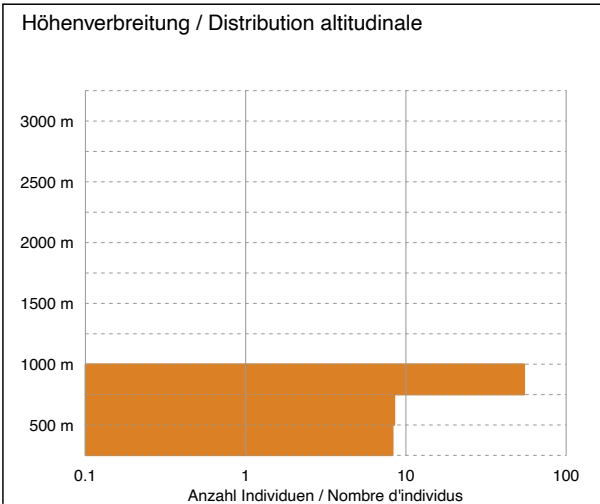
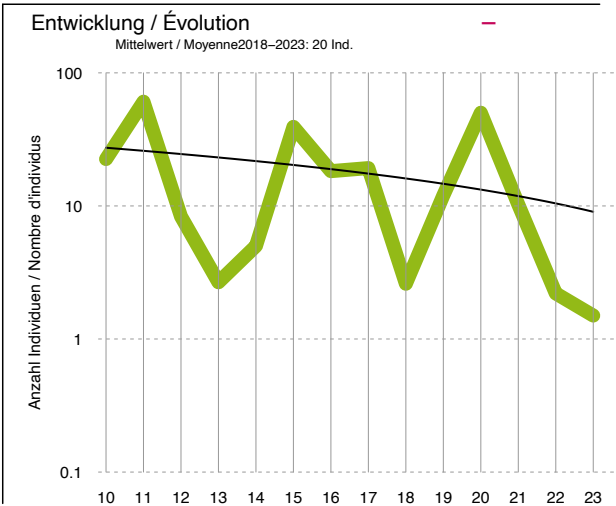
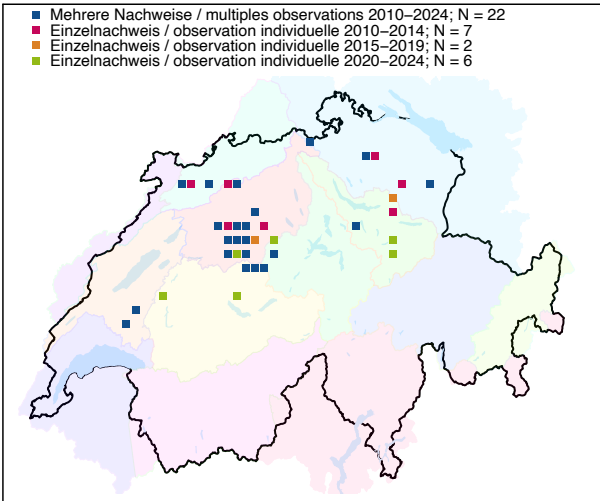


Gewässerordnungszahl / Ordre du cours d'eau



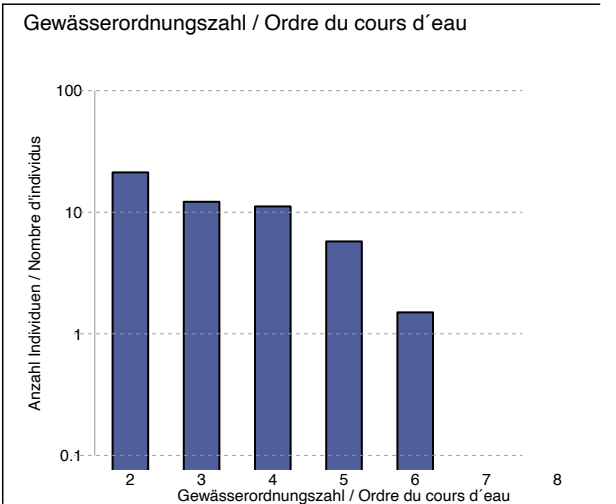
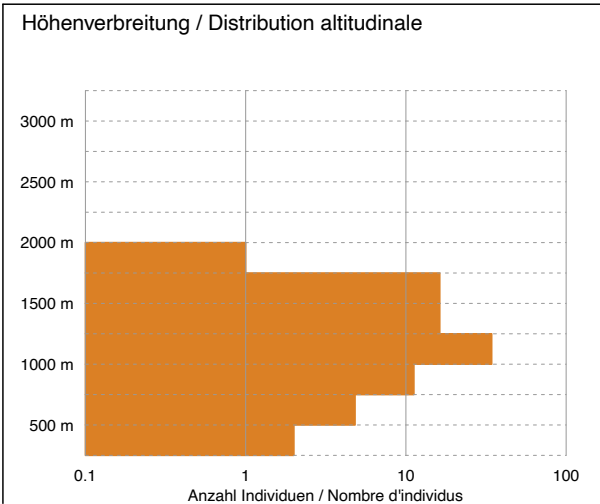
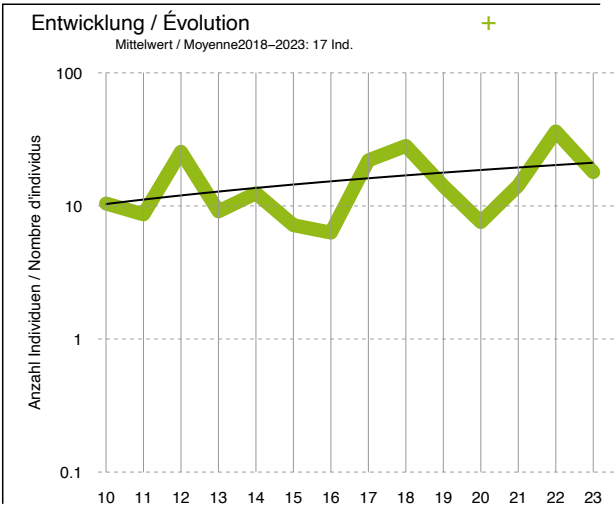
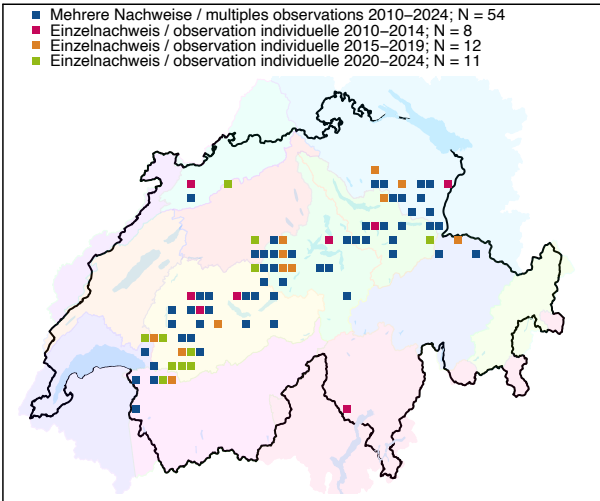
5547 *Ephemerella mucronata*
Ephemerellidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	3



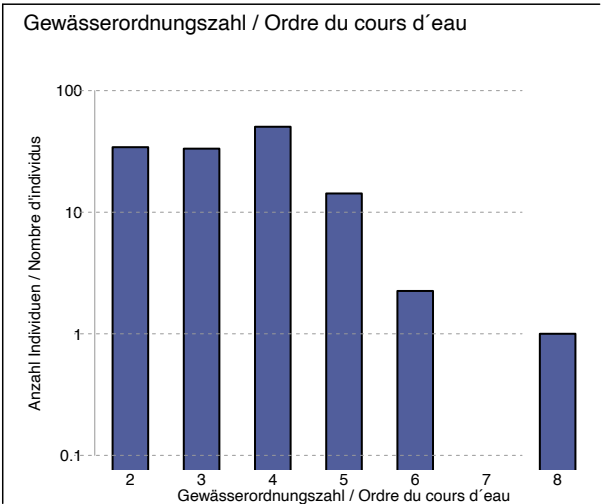
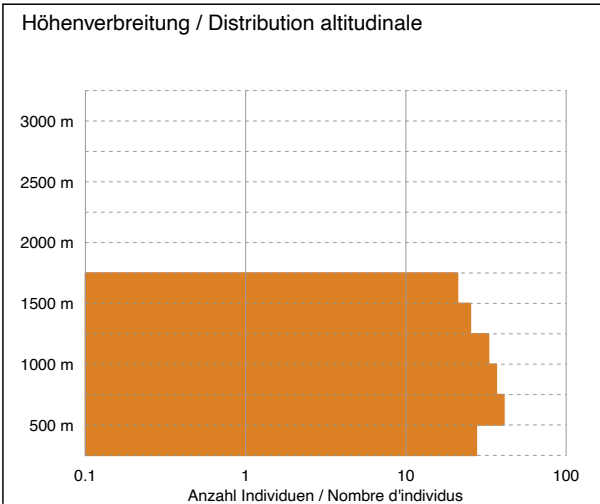
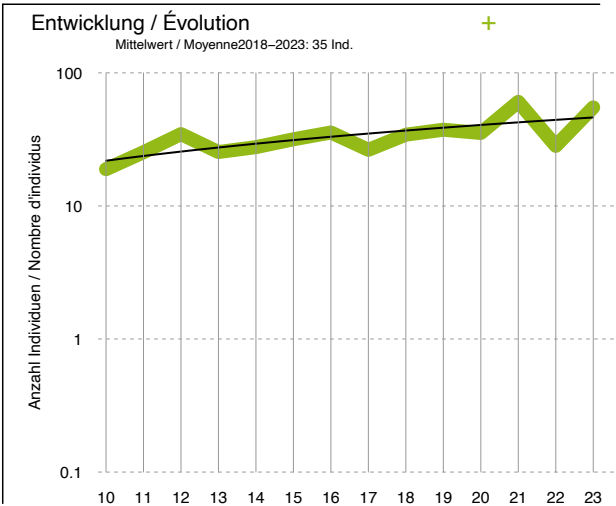
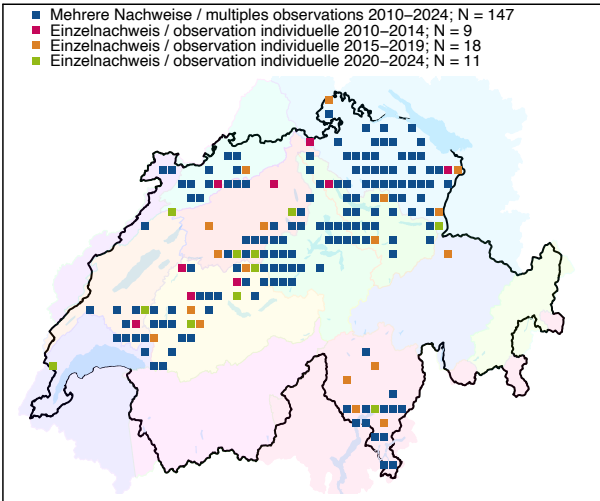
5550 *Habroleptoides auberti*
Leptophlebiidae

Status (RL / Prio):	LC / 4
Indikatorgruppe:	6



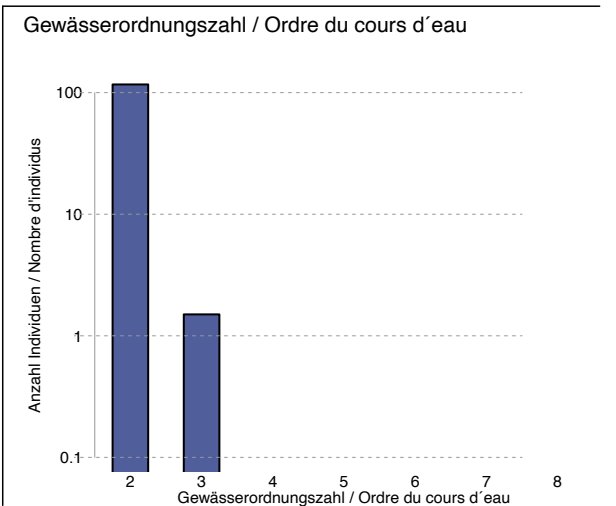
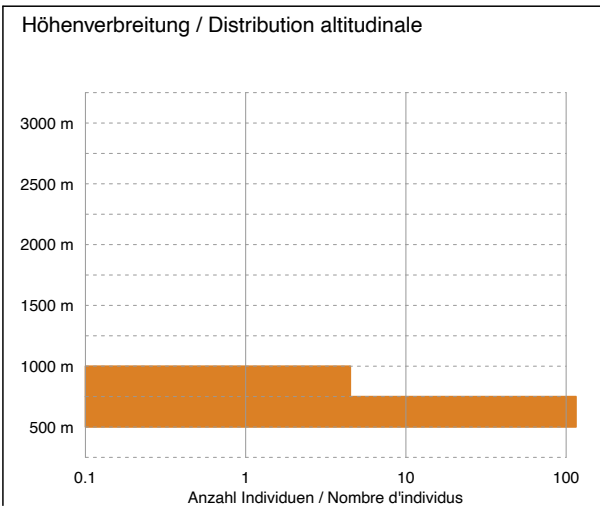
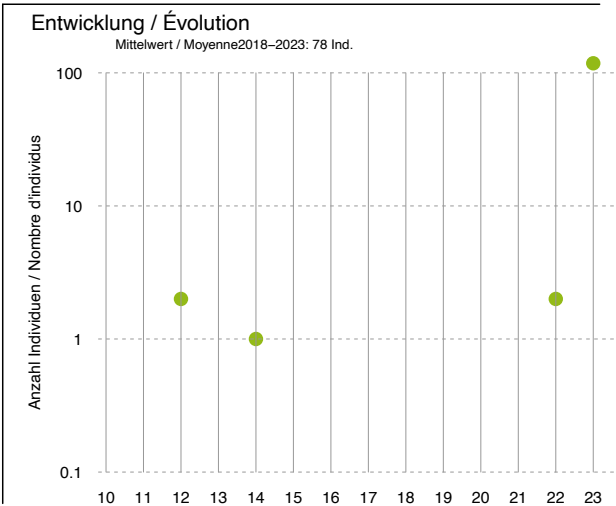
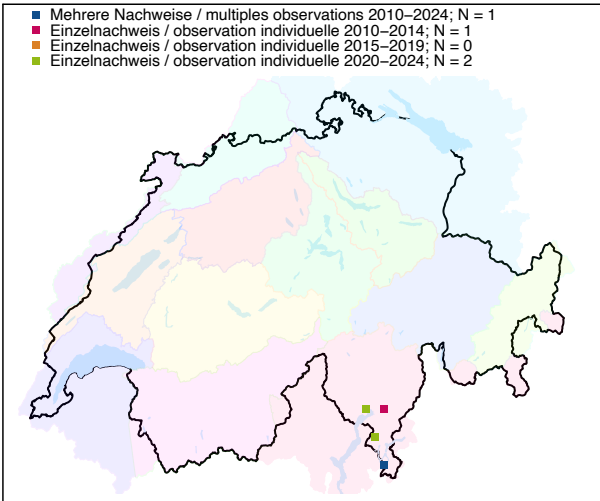
5551 *Habroleptoides confusa*
Leptophlebiidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	6



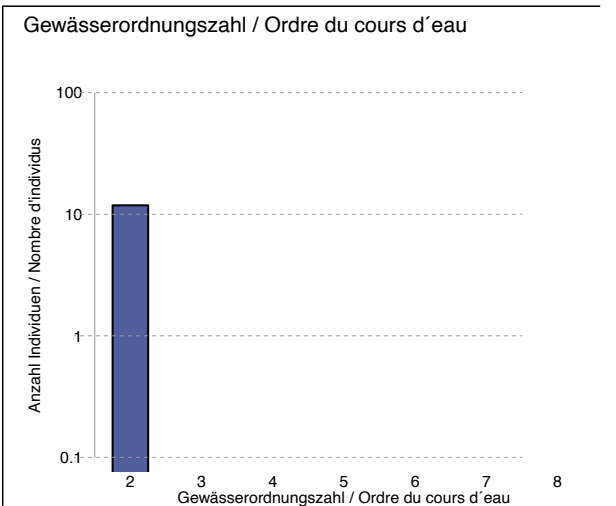
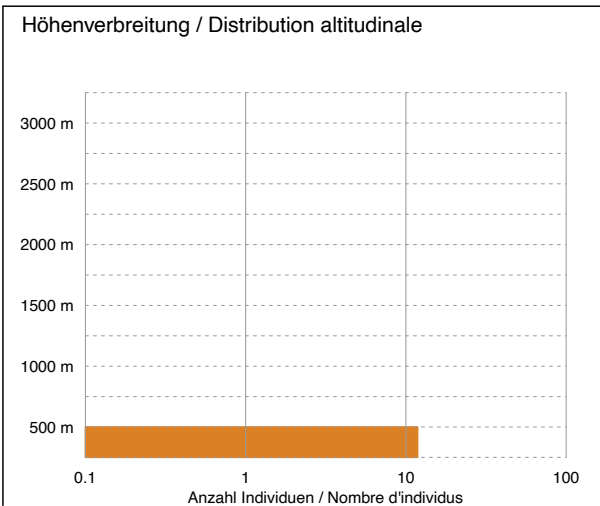
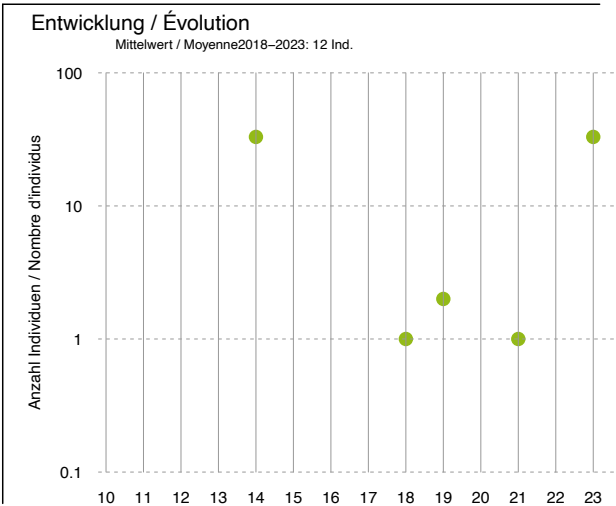
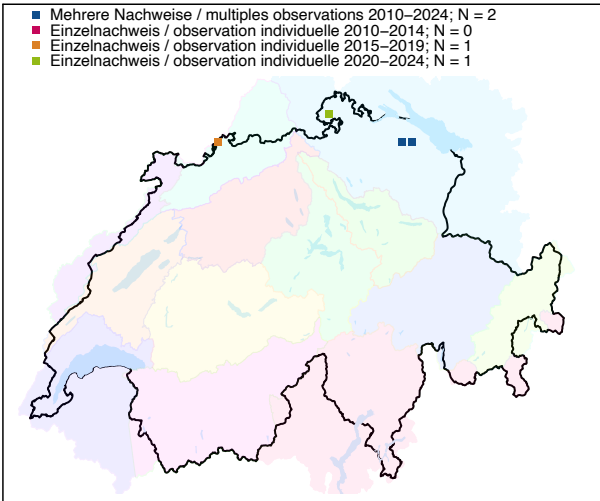
5552 *Habrophlebia eldae*
Leptophlebiidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5553 *Habrophlebia fusca*
Leptophlebiidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5554 *Habrophlebia lauta* *Leptophlebiidae*

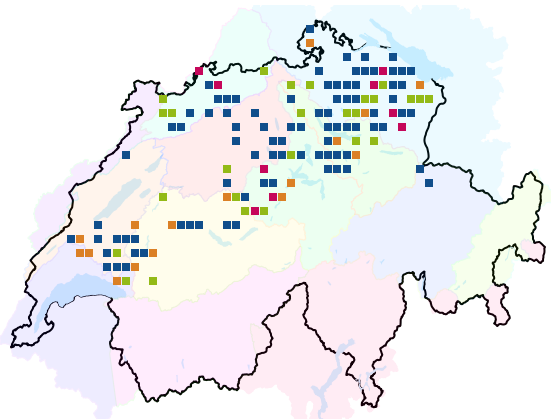
Status (RL / Prio):

LC / –

Indikatorgruppe:

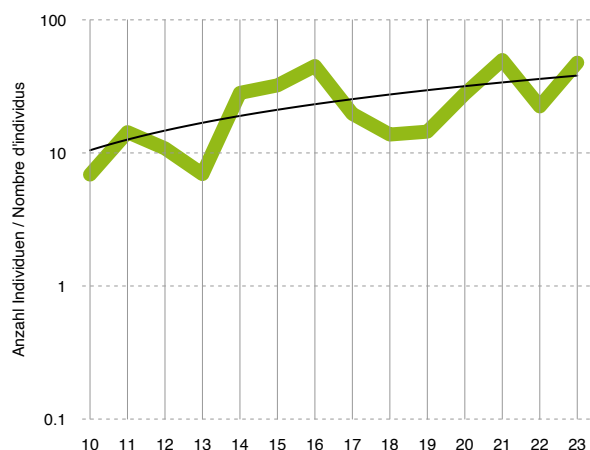
6

- Mehrere Nachweise / multiples observations 2010–2024; N = 86
- Einzelnachweis / observation individuelle 2010–2014; N = 9
- Einzelnachweis / observation individuelle 2015–2019; N = 16
- Einzelnachweis / observation individuelle 2020–2024; N = 26

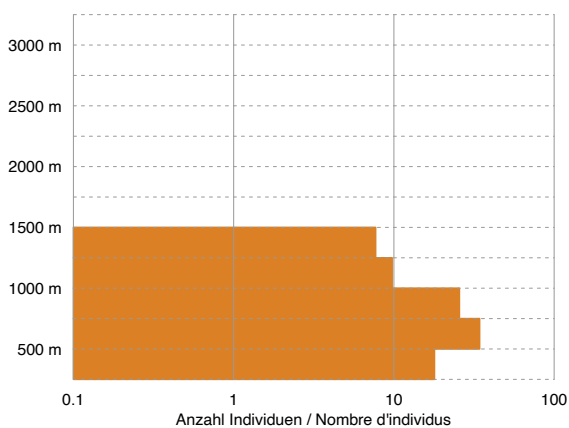


Entwicklung / Évolution

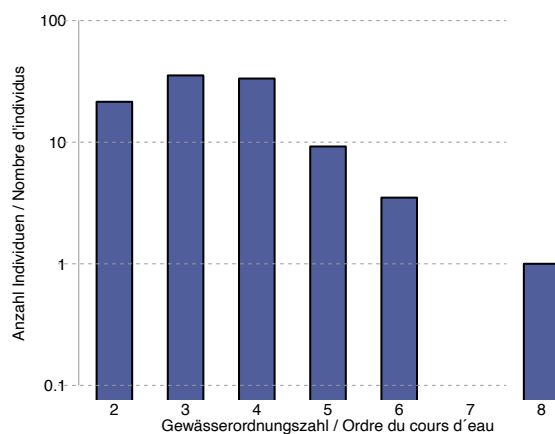
Mittelwert / Moyenne 2018–2023: 26 Ind.



Höhenverbreitung / Distribution altitudinale

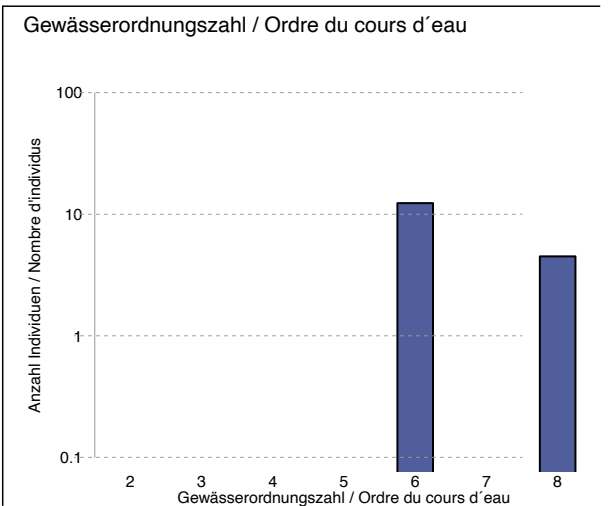
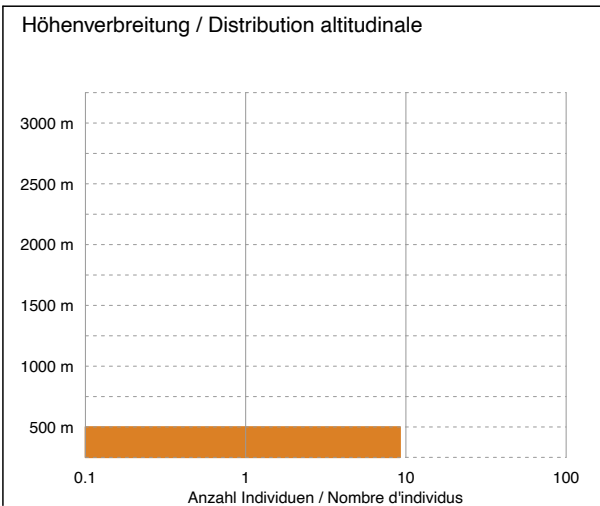
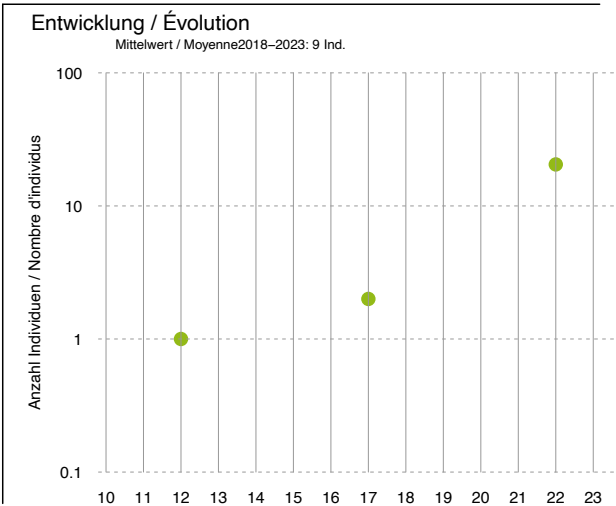
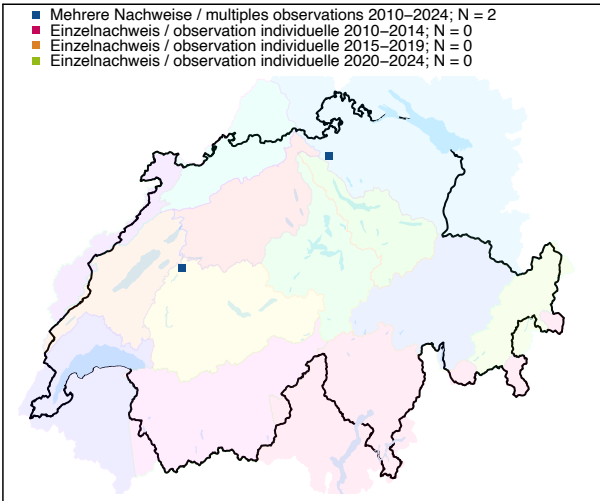


Gewässerordnungszahl / Ordre du cours d'eau



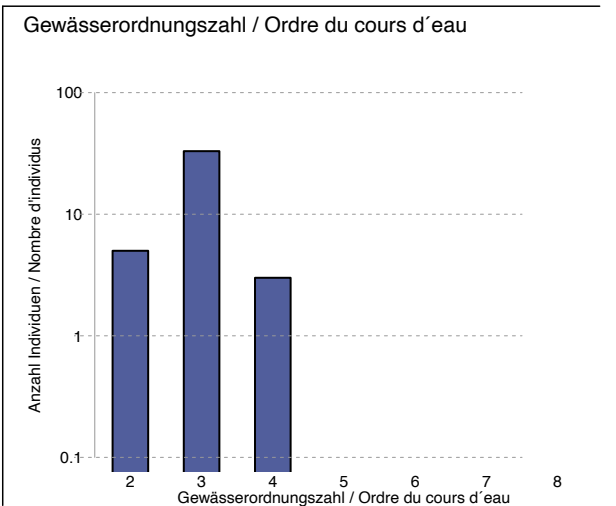
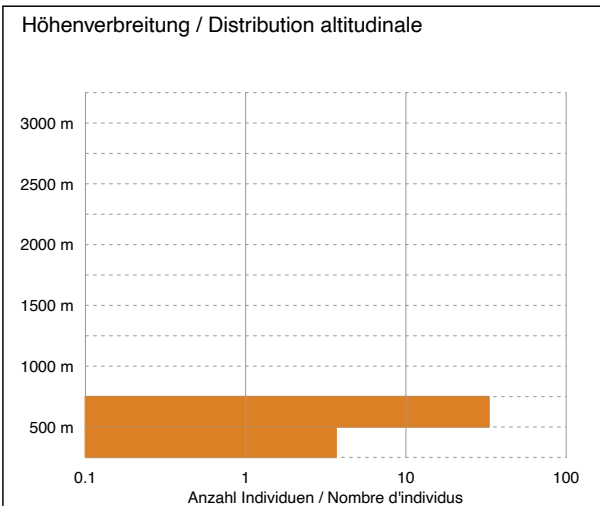
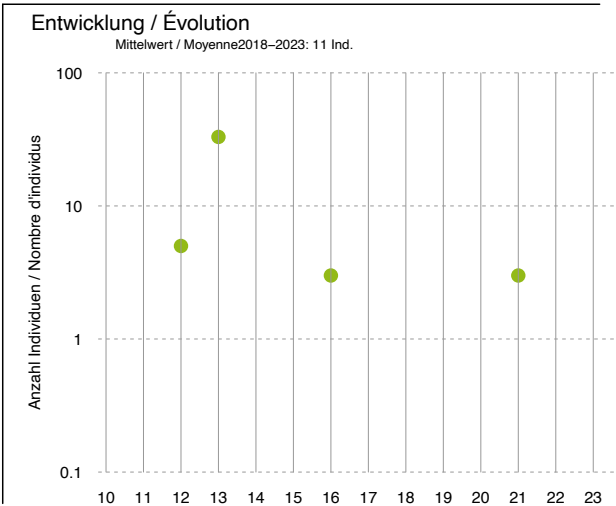
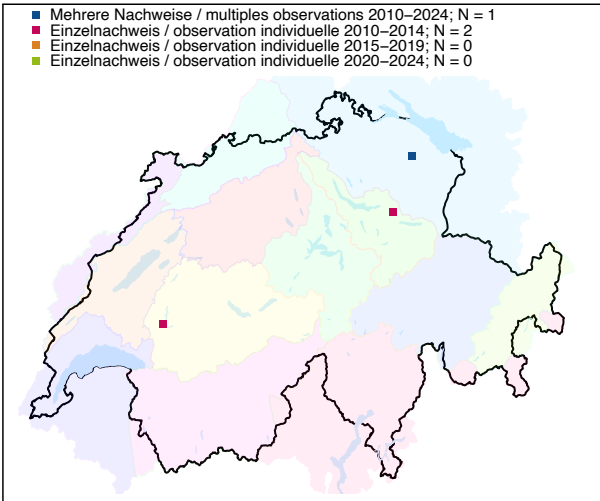
5557 *Heptagenia sulphurea*
Heptageniidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



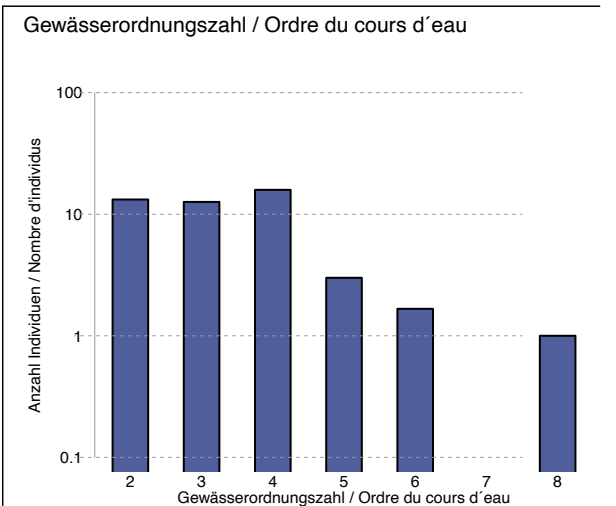
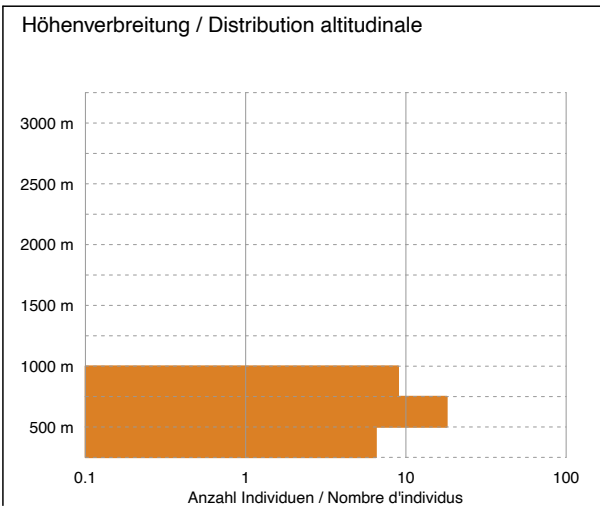
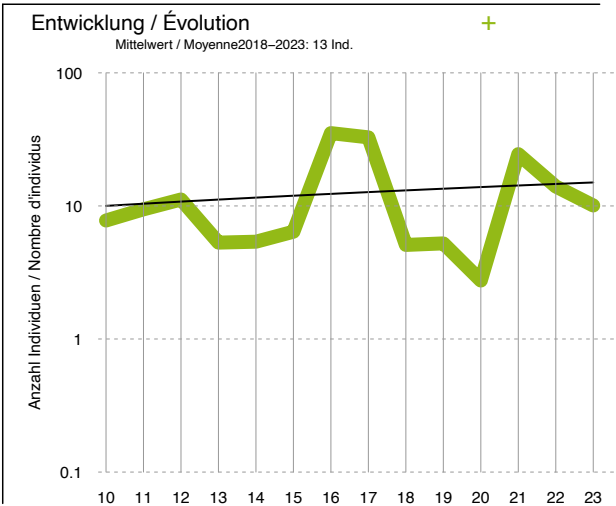
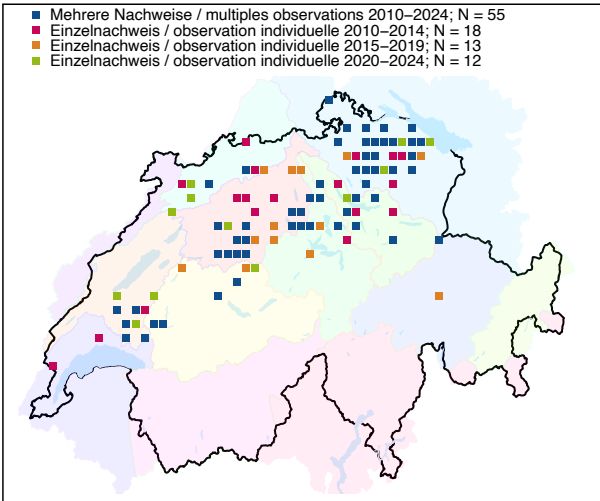
5561 *Nigrobaetis niger*
Baetidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



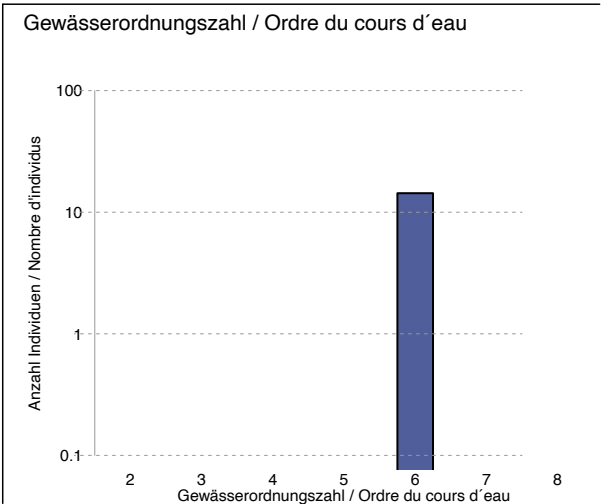
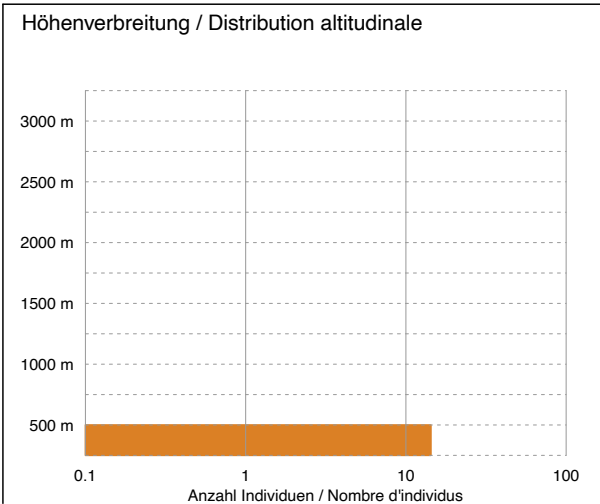
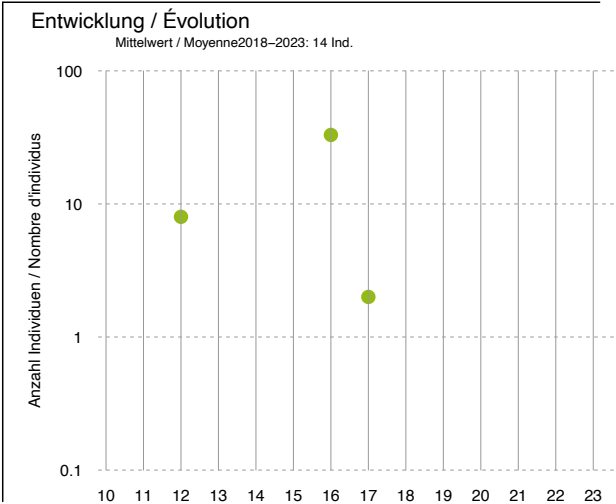
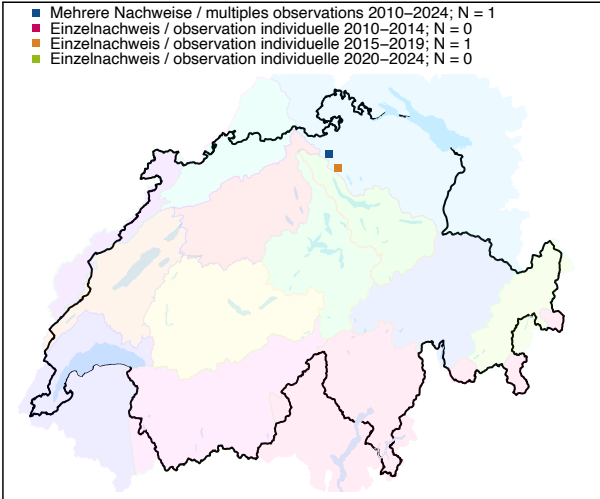
5564 *Paraleptophlebia submarginata*
Leptophlebiidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	6



5565 *Potamanthus luteus*
Potamanthidae

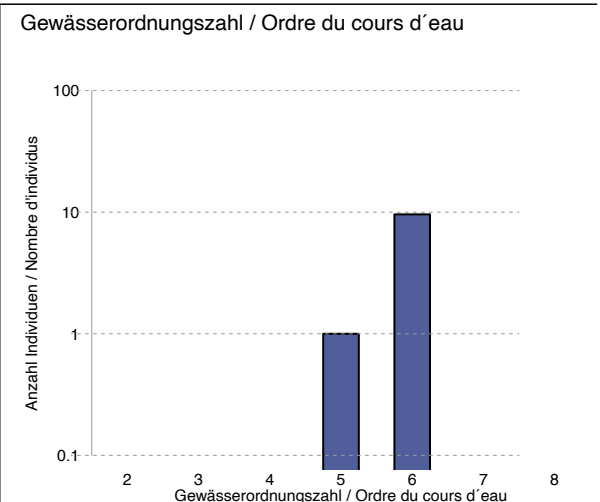
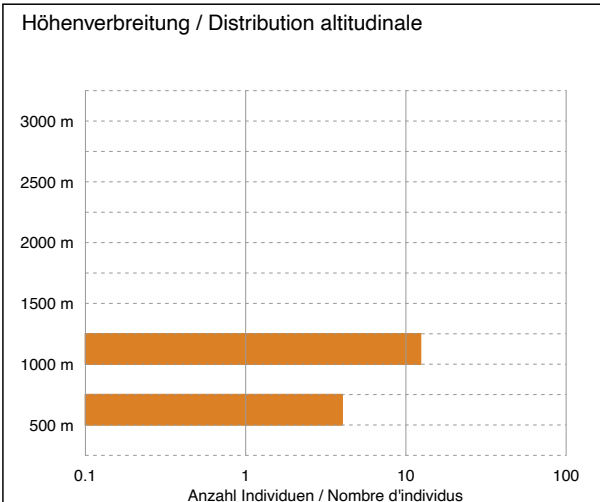
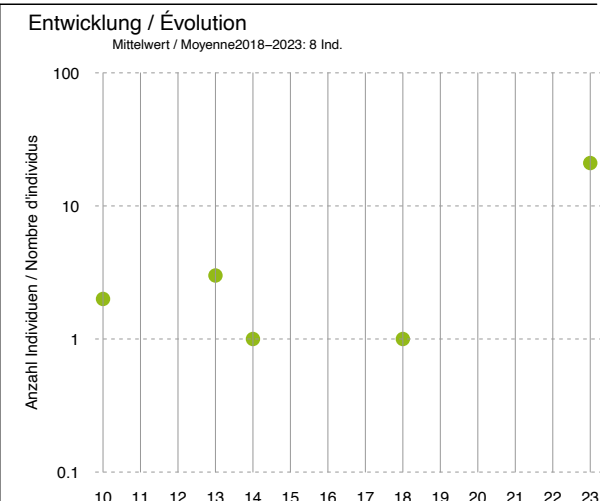
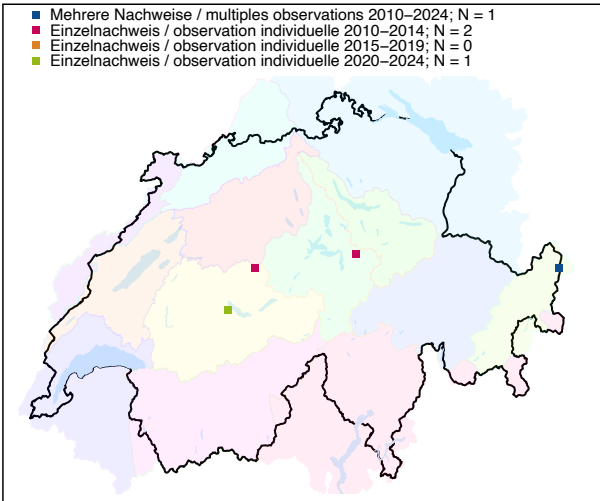
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5571 *Rhithrogena allobrogica*

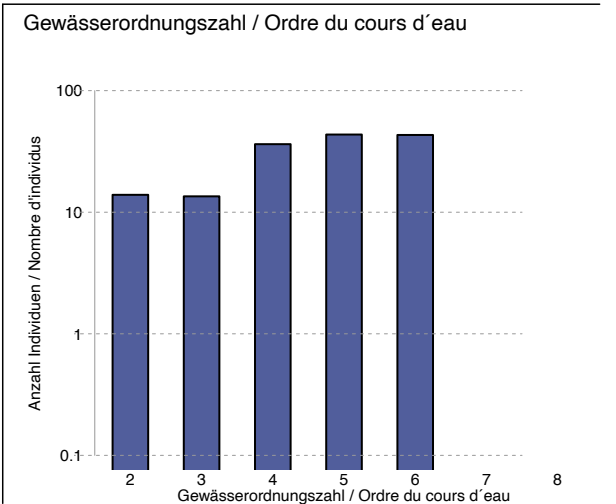
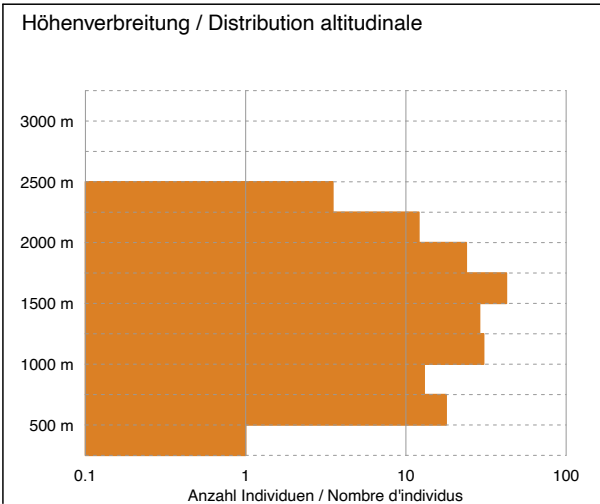
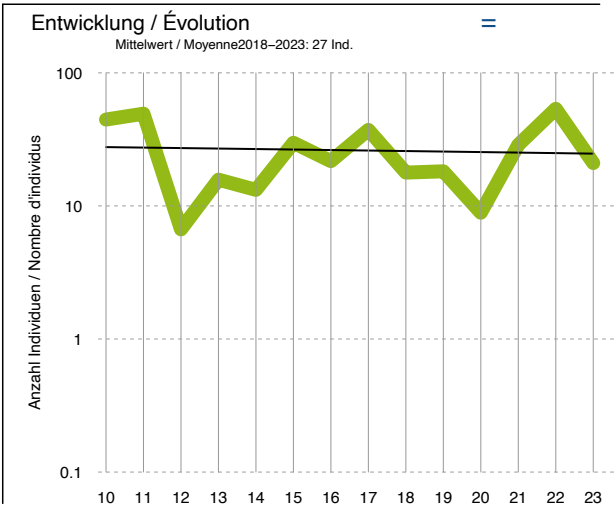
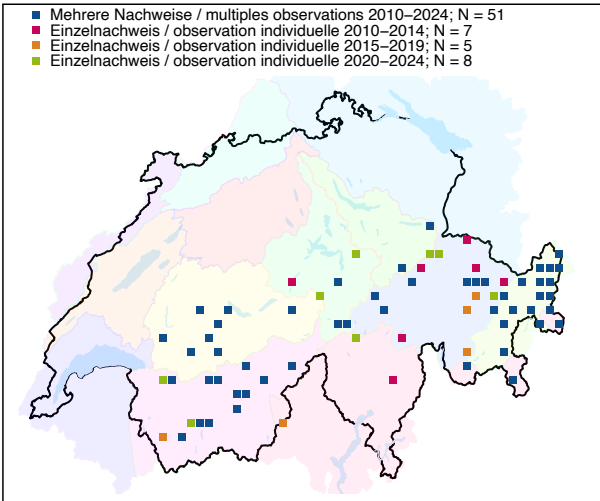
Heptageniidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5572 *Rhithrogena alpestris*
Heptageniidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	5

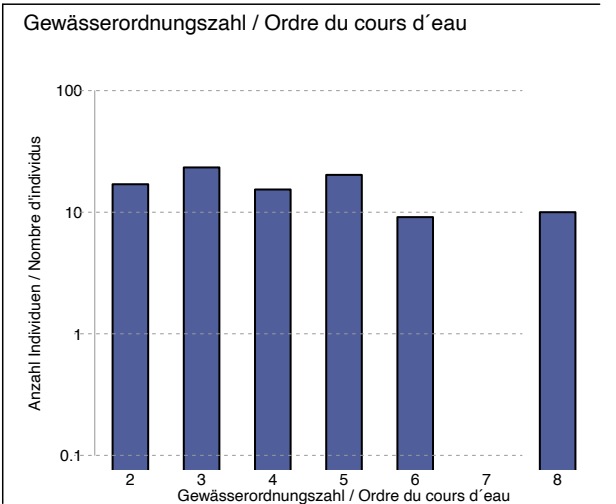
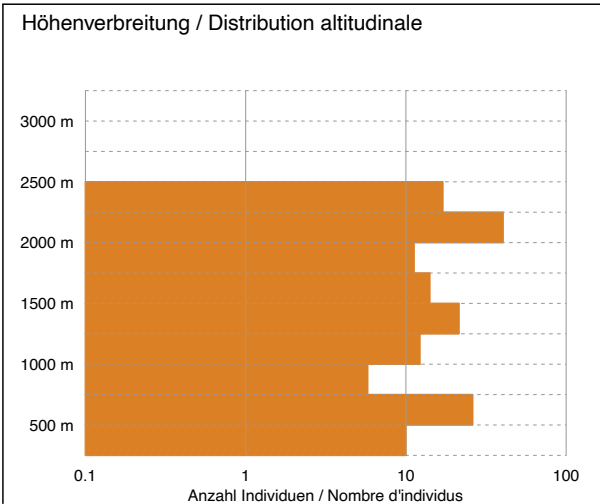
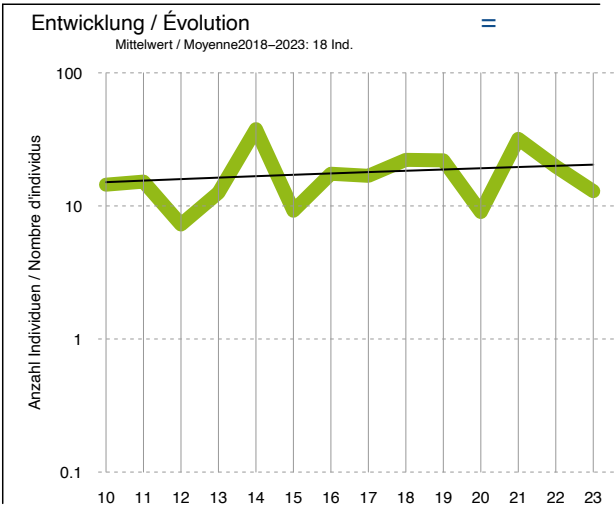
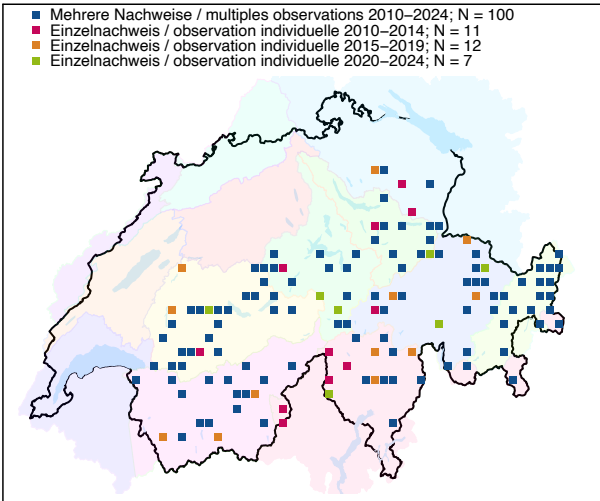


5569 *Rhithrogena hybrida*–Komplex

Heptageniidae

corcontica, *degrangei*, *gratianopolitana*, *grischuna*
grischuna/corcontica aggr., *hercynia*, *hybrida*, *puthzi*

Status (RL / Prio):	– / –
Indikatorgruppe:	5

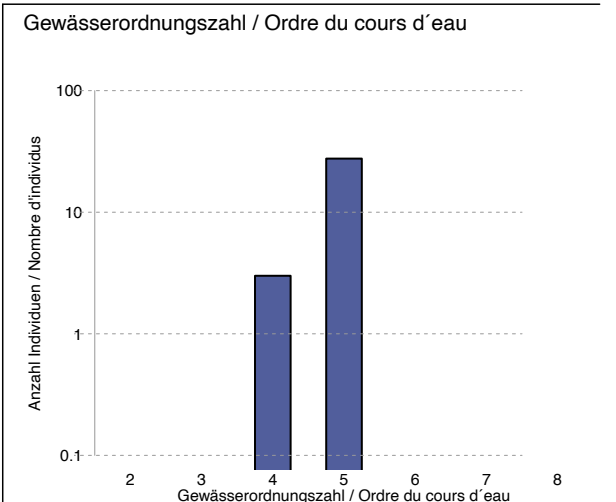
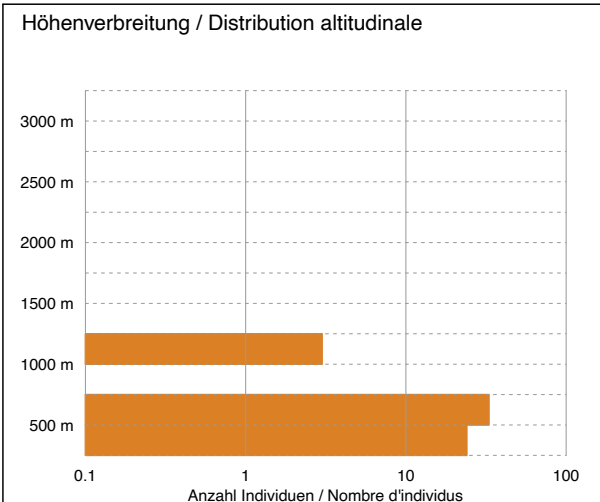
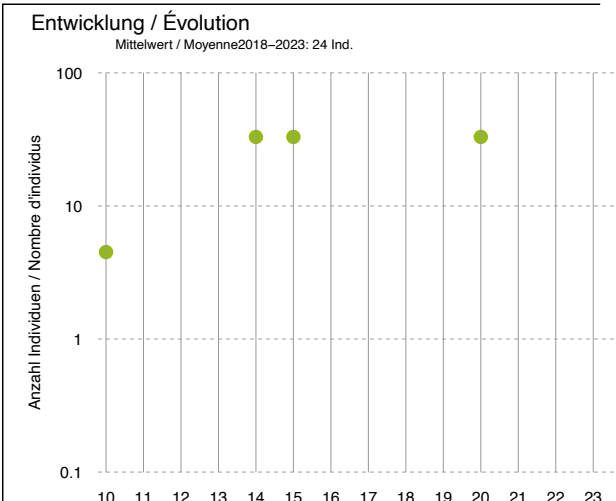
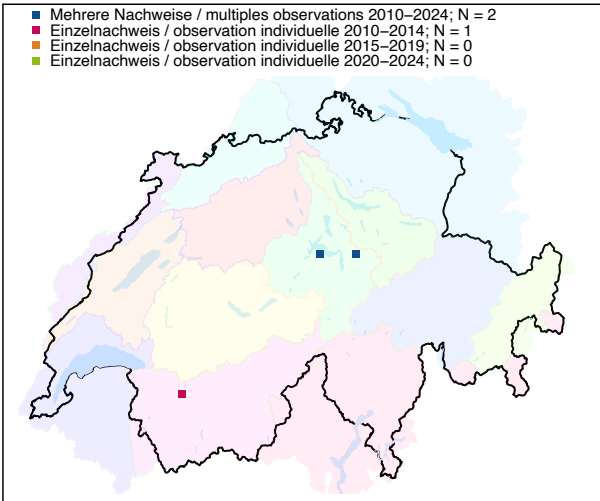


8152 Rhithrogena landai-Komplex

Heptageniidae

landai, vaillanti

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5583 *Rhithrogena loyolaea* Heptageniidae

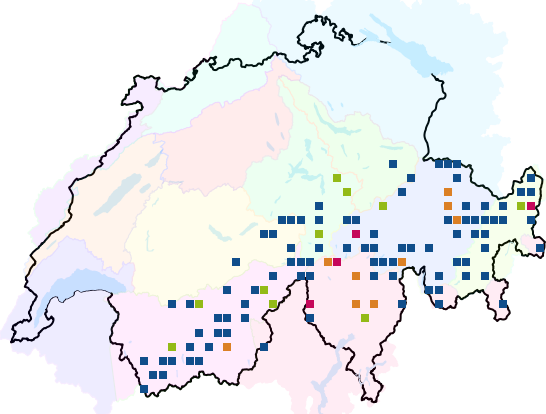
Status (RL / Prio):

LC / –

Indikatorgruppe:

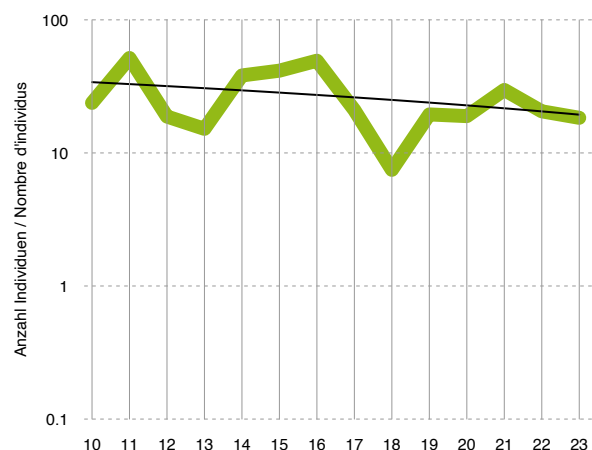
5

- Mehrere Nachweise / multiples observations 2010–2024; N = 88
- Einzelnachweis / observation individuelle 2010–2014; N = 4
- Einzelnachweis / observation individuelle 2015–2019; N = 9
- Einzelnachweis / observation individuelle 2020–2024; N = 10

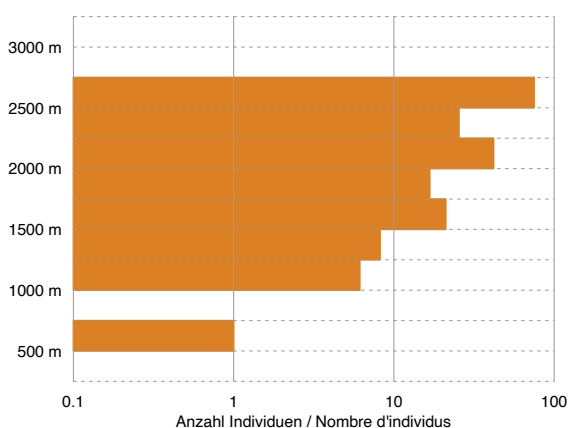


Entwicklung / Évolution

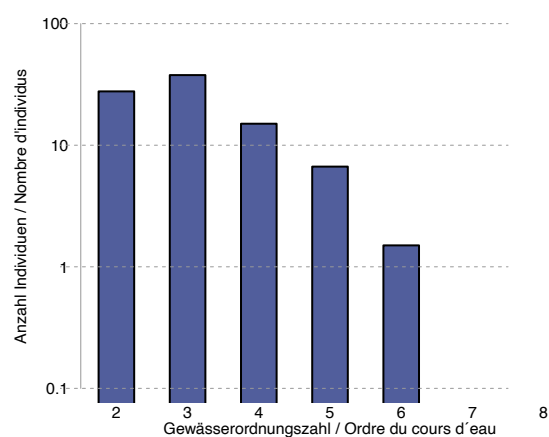
Mittelwert / Moyenne 2018–2023: 28 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau



5584 *Rhithrogena nivata* Heptageniidae

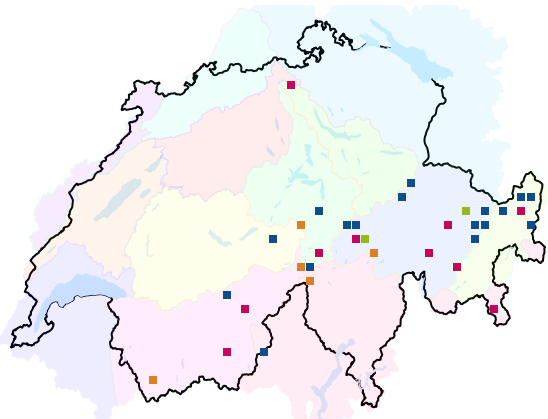
Status (RL / Prio):

NT / 3

Indikatorgruppe:

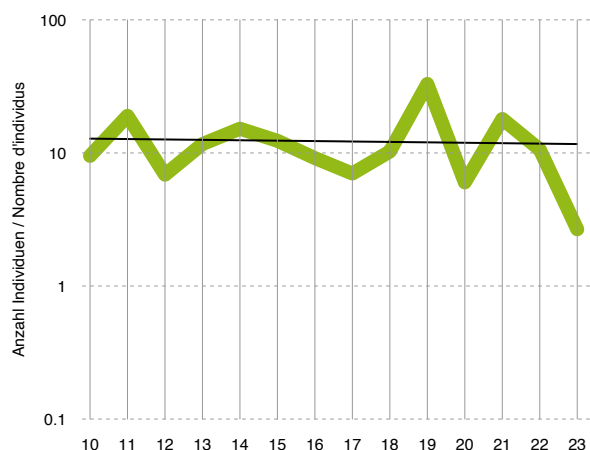
5

- Mehrere Nachweise / multiples observations 2010–2024; N = 17
- Einzelnachweis / observation individuelle 2010–2014; N = 10
- Einzelnachweis / observation individuelle 2015–2019; N = 5
- Einzelnachweis / observation individuelle 2020–2024; N = 2

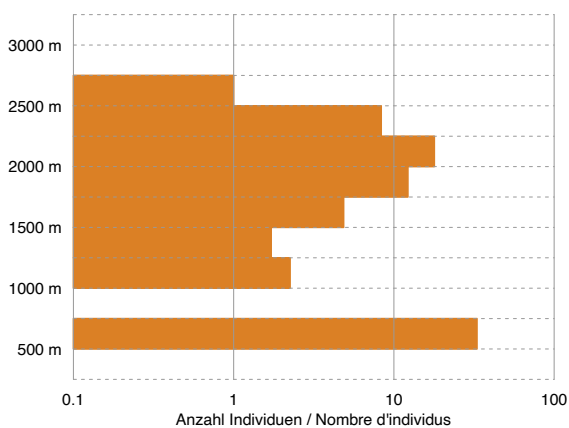


Entwicklung / Évolution

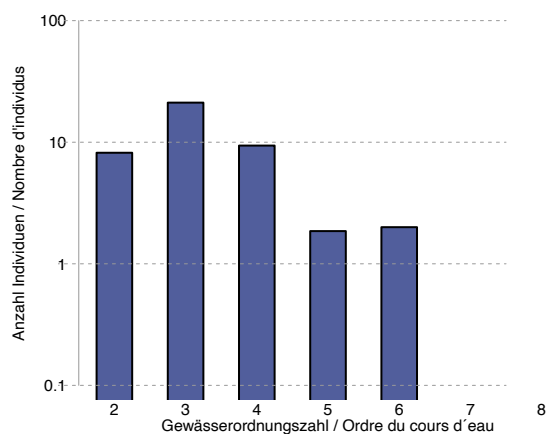
Mittelwert / Moyenne 2018–2023: 12 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

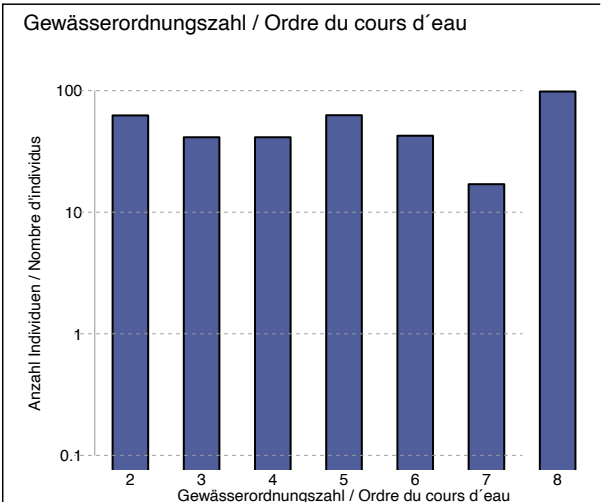
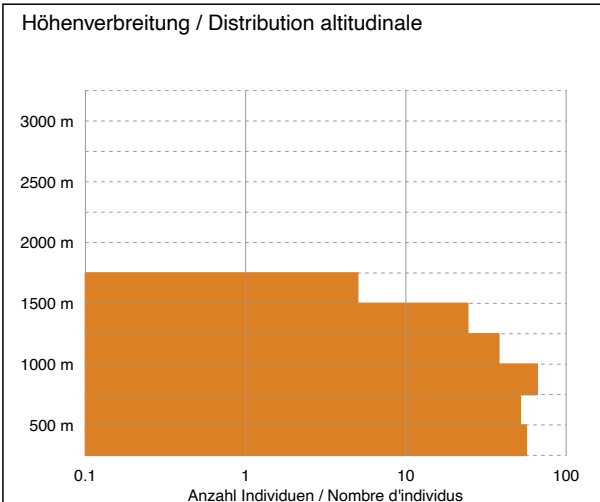
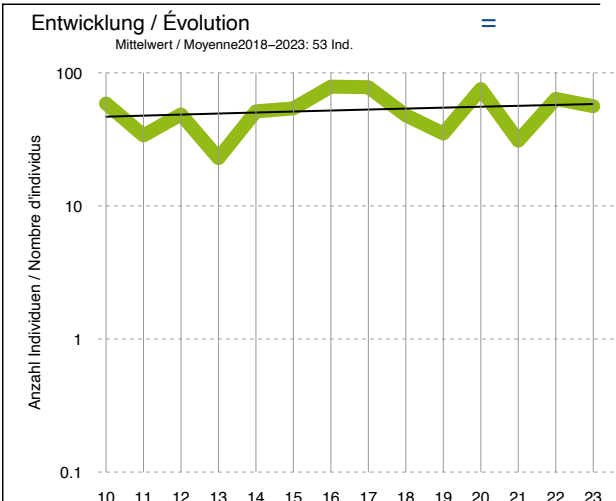
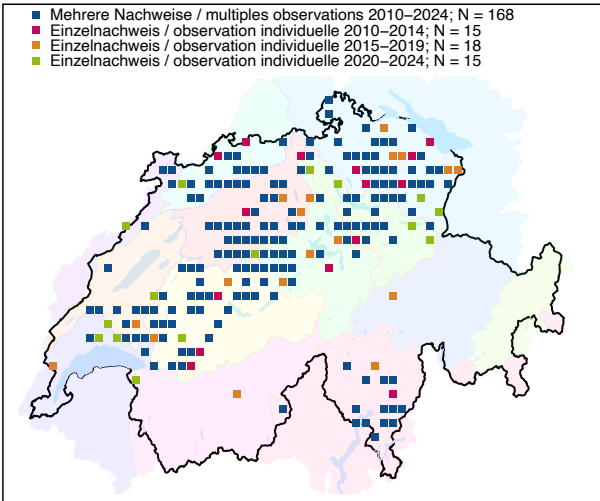


5570 *Rhithrogena semicolorata*-Komplex

Heptageniidae

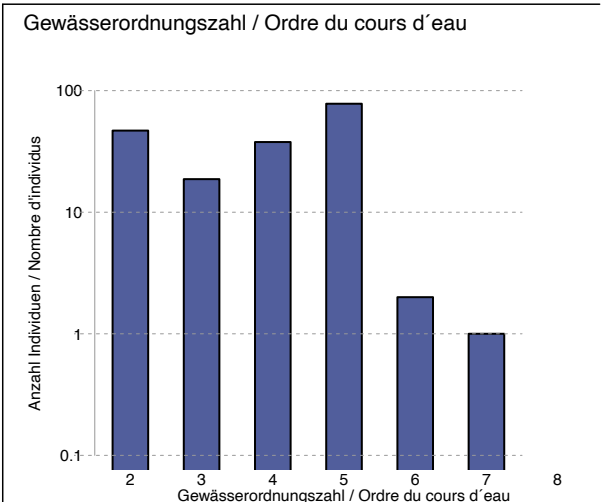
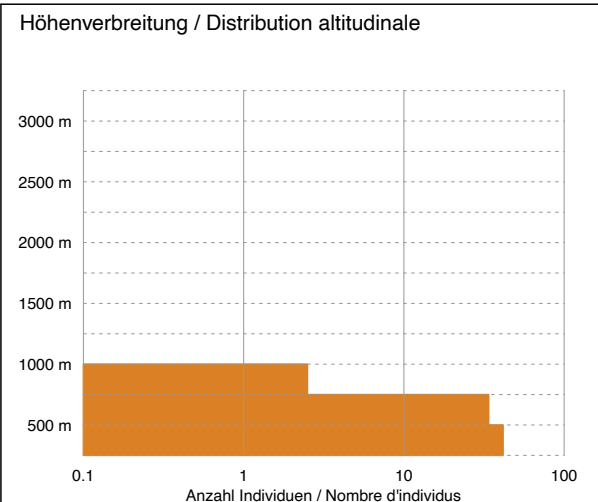
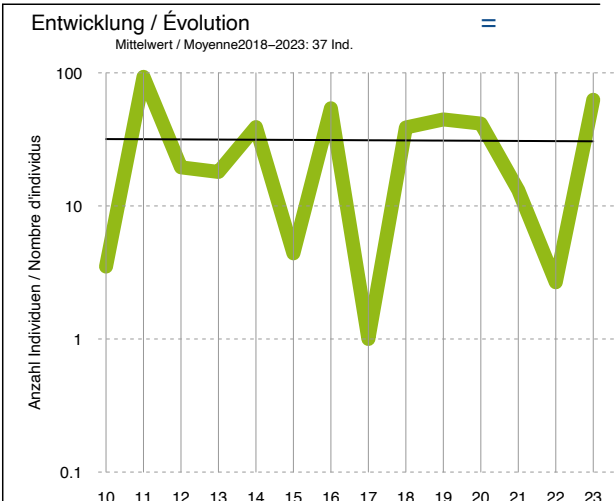
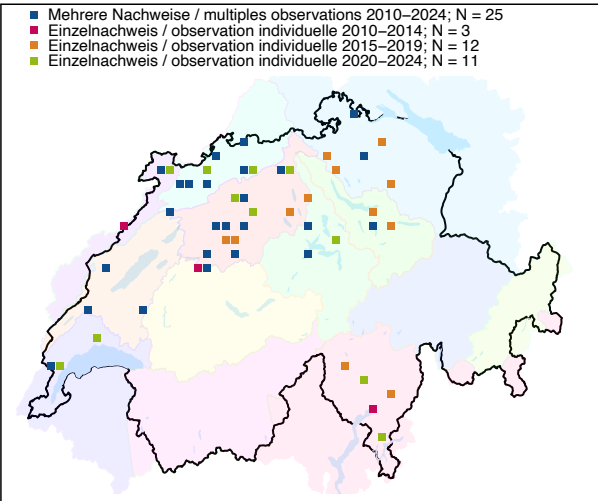
*carpatoalpina, drieri, fonticola, germanica
picteti, puytoraci, semicolorata*

Status (RL / Prio):	- / -
Indikatorgruppe:	5



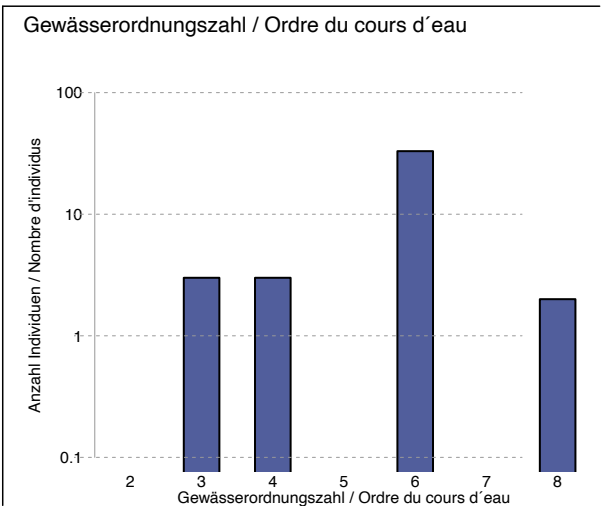
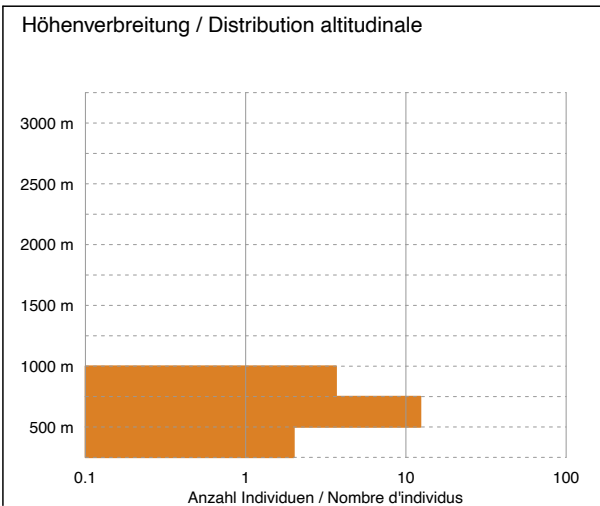
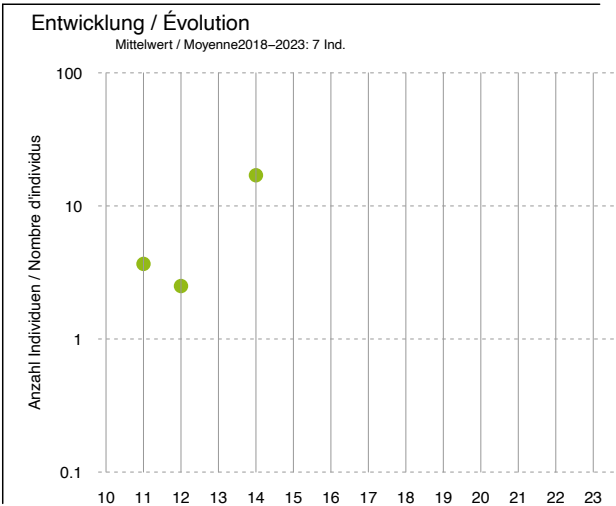
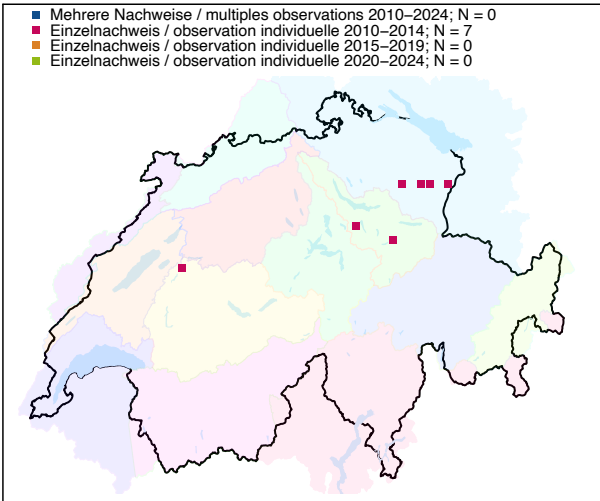
5590 *Serratella ignita* Ephemeroellidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	3



5592 *Siphonurus lacustris*
Siphonuridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5593 *Torleya major* *Ephemerellidae*

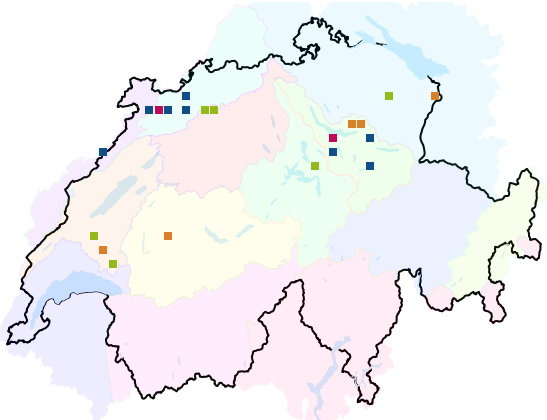
Status (RL / Prio):

– / –

Indikatorgruppe:

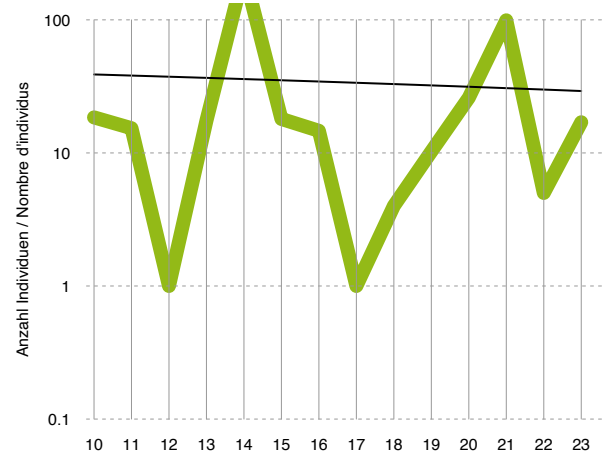
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 8
- Einzelnachweis / observation individuelle 2010–2014; N = 2
- Einzelnachweis / observation individuelle 2015–2019; N = 5
- Einzelnachweis / observation individuelle 2020–2024; N = 6

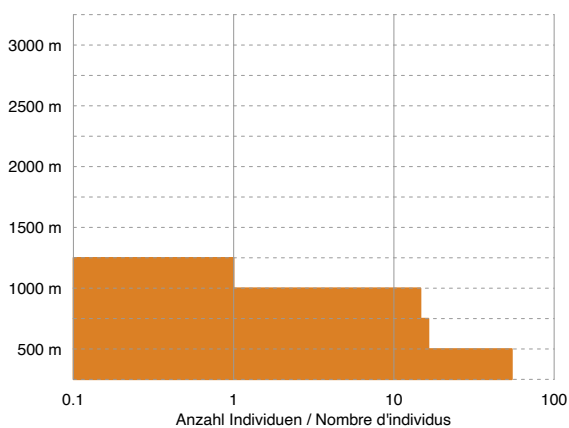


Entwicklung / Évolution

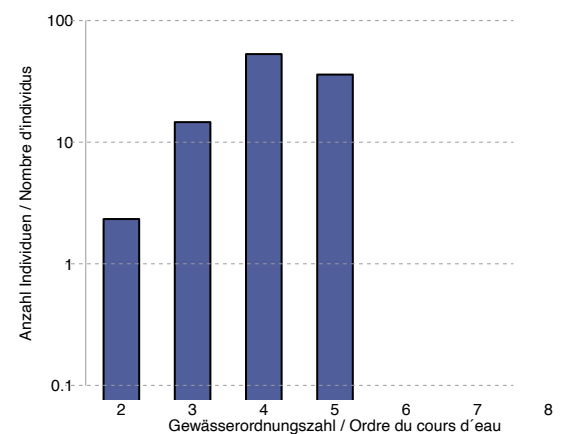
Mittelwert / Moyenne 2018–2023: 32 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau





Plecoptera

5596 *Amphinemura sulcicollis*–Komplex

Nemouridae *sulcicollis, triangularis*

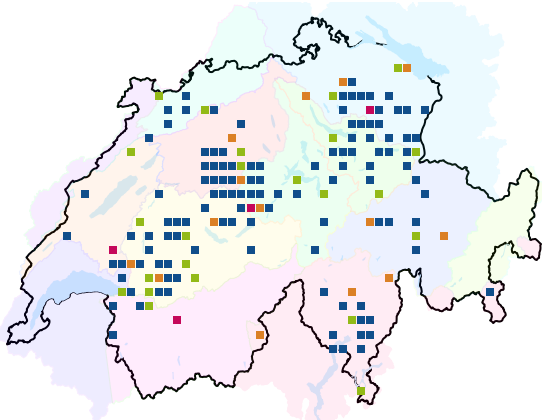
Status (RL / Prio):

LC / –

Indikatorgruppe:

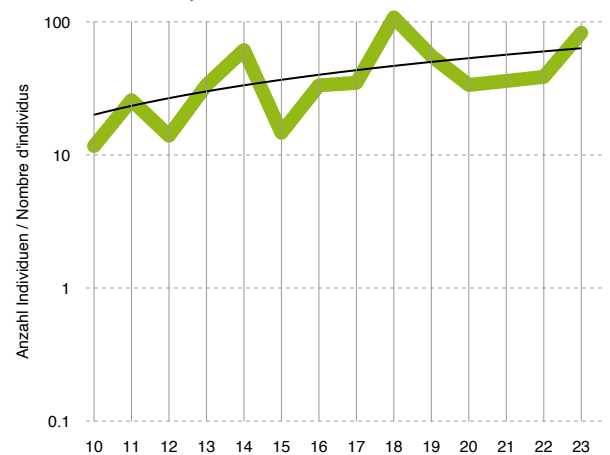
5

- Mehrere Nachweise / multiples observations 2010–2024; N = 115
- Einzelnachweis / observation individuelle 2010–2014; N = 4
- Einzelnachweis / observation individuelle 2015–2019; N = 14
- Einzelnachweis / observation individuelle 2020–2024; N = 23

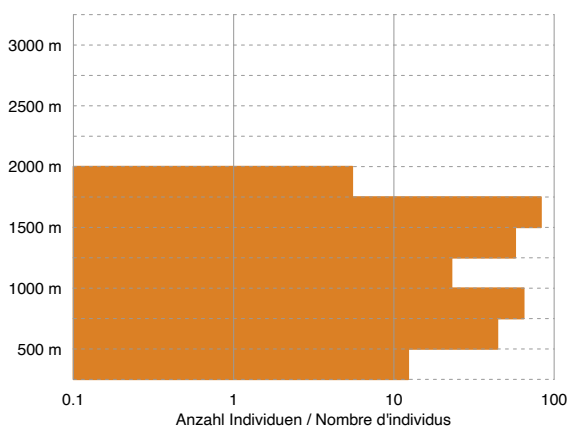


Entwicklung / Évolution

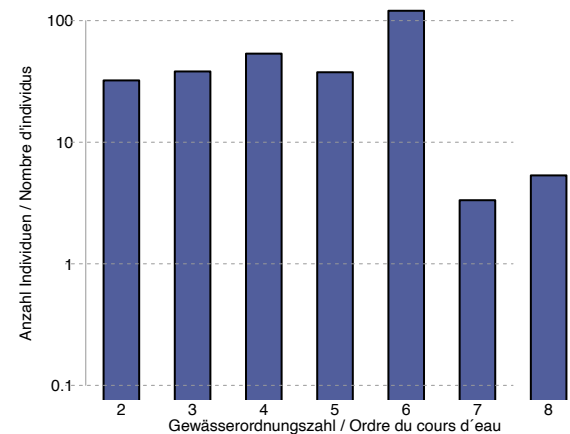
Mittelwert / Moyenne 2018–2023: 43 Ind.



Höhenverbreitung / Distribution altitudinale

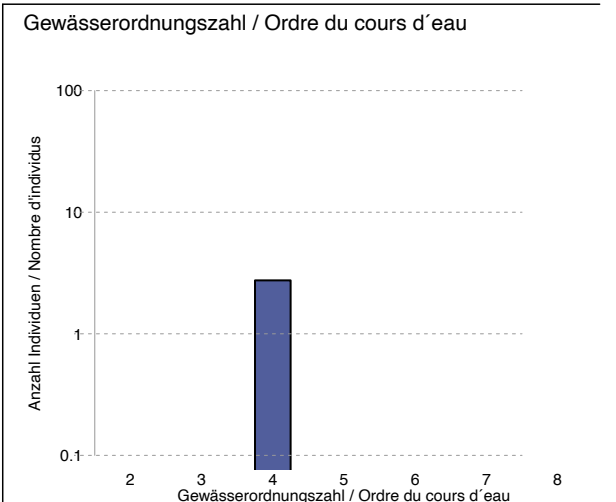
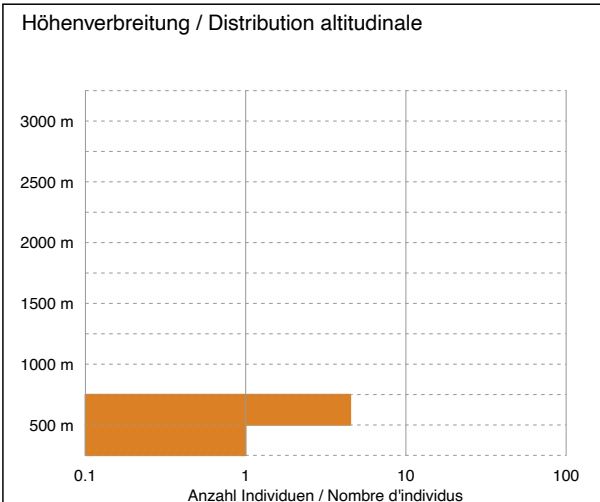
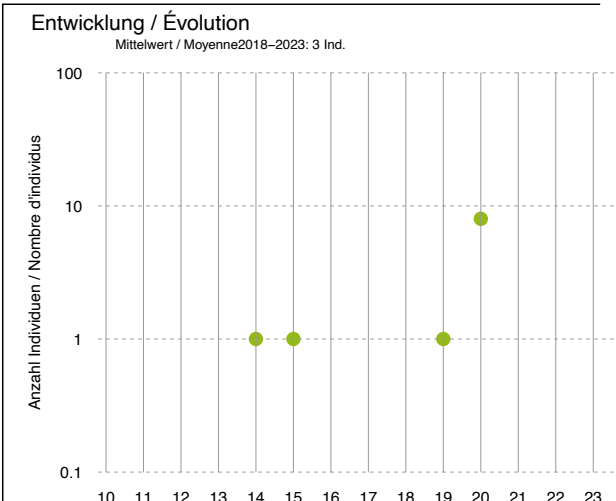
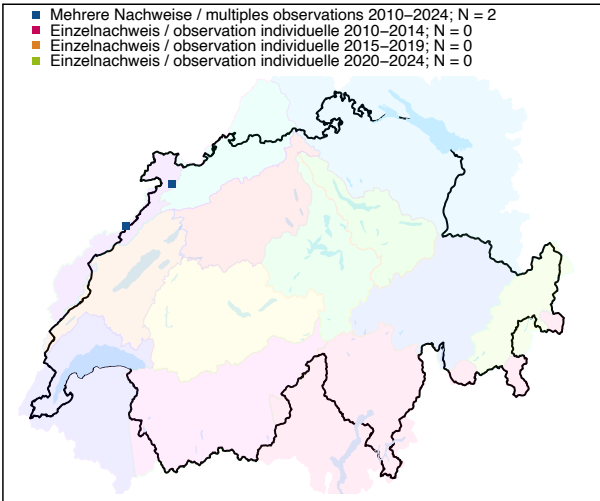


Gewässerordnungszahl / Ordre du cours d'eau



5598 *Besdolus imhoffi*
Perlodidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5602 *Brachyptera risi* *Taeniopterygidae*

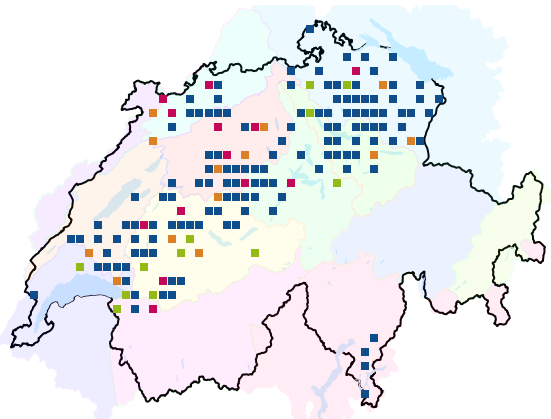
Status (RL / Prio):

LC / –

Indikatorgruppe:

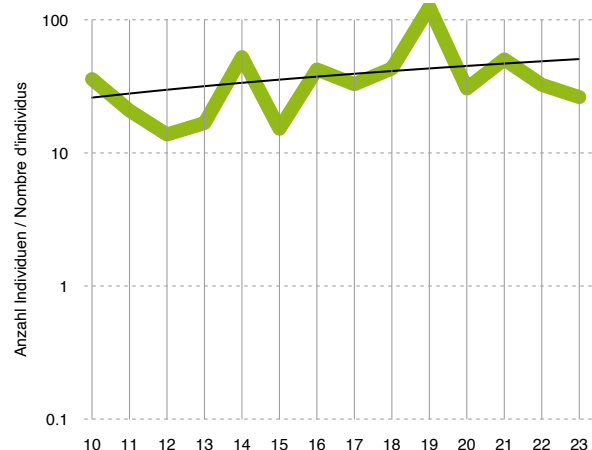
7

- Mehrere Nachweise / multiples observations 2010–2024; N = 130
- Einzelnachweis / observation individuelle 2010–2014; N = 13
- Einzelnachweis / observation individuelle 2015–2019; N = 13
- Einzelnachweis / observation individuelle 2020–2024; N = 12

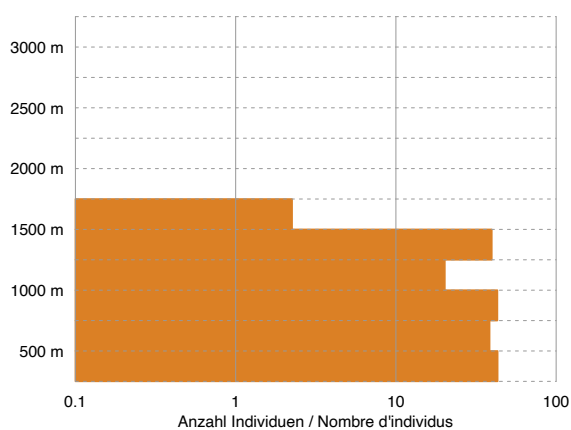


Entwicklung / Évolution

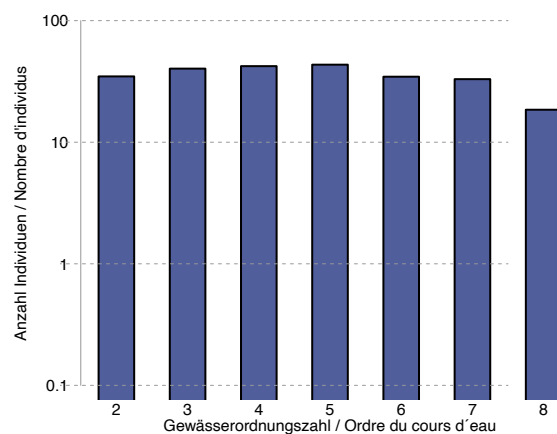
Mittelwert / Moyenne 2018–2023: 39 Ind.



Höhenverbreitung / Distribution altitudinale

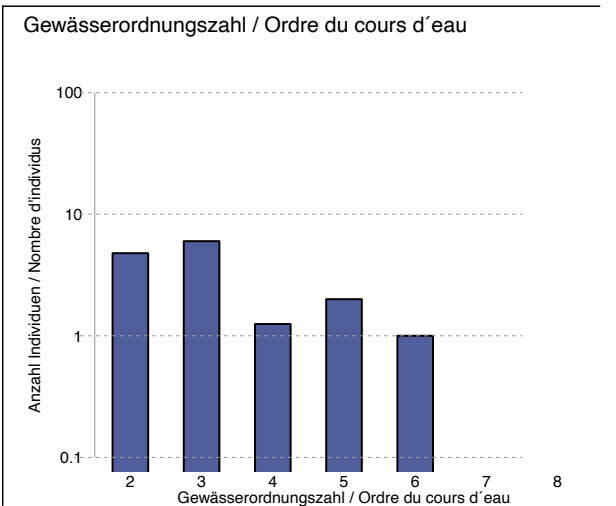
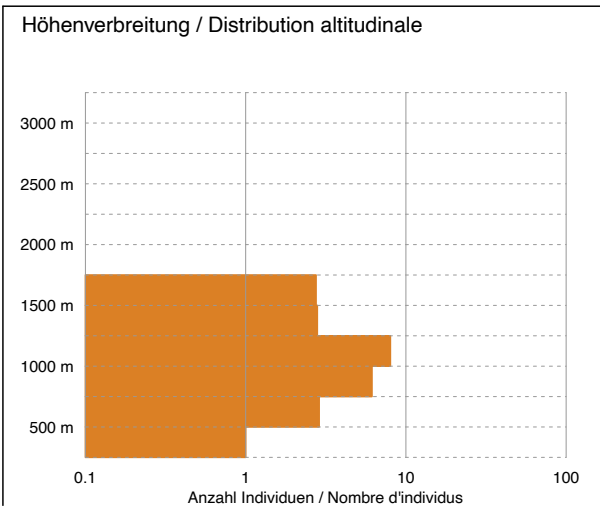
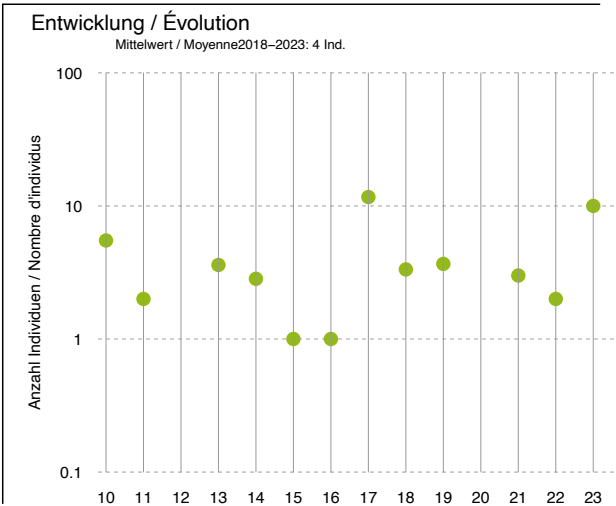
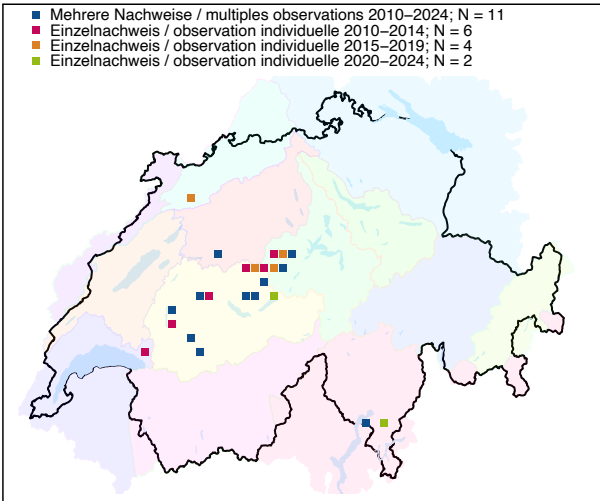


Gewässerordnungszahl / Ordre du cours d'eau



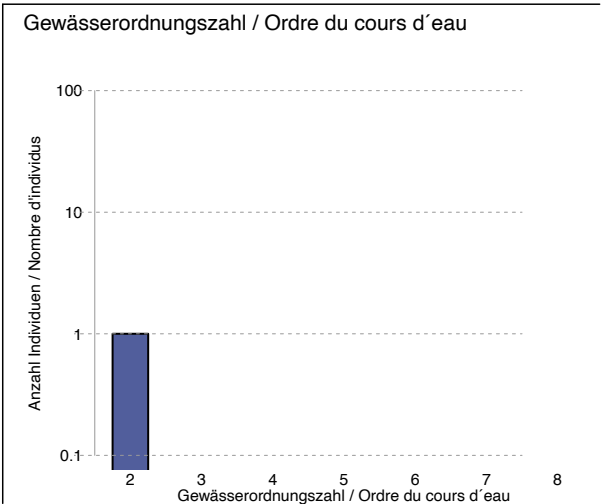
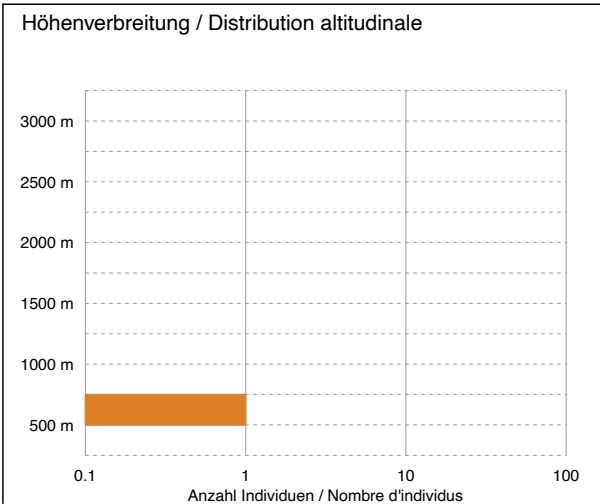
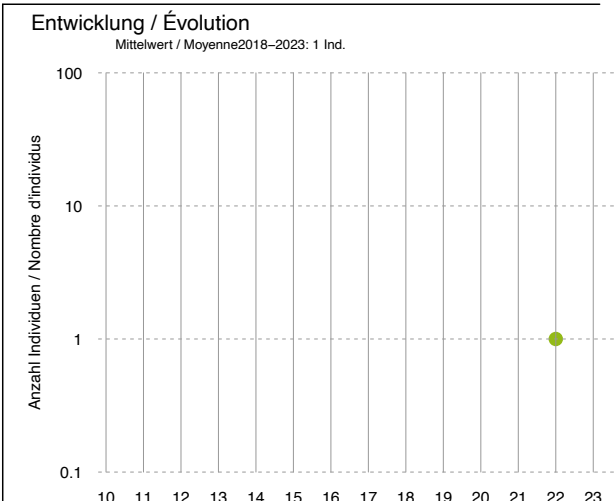
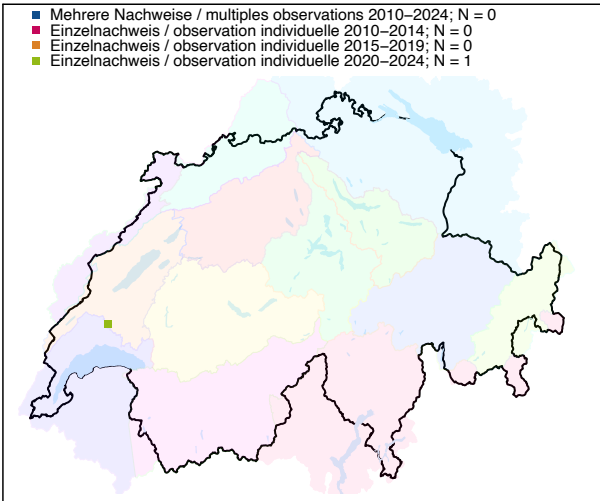
5603 *Brachyptera seticornis*
Taeniopterygidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5604 *Brachyptera trifasciata*
Taeniopterygidae

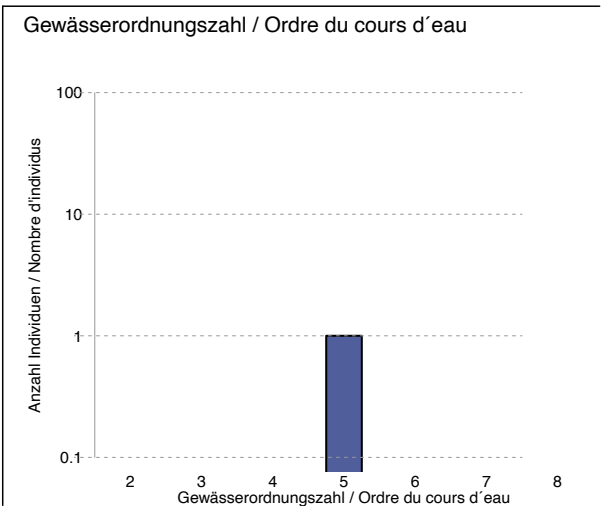
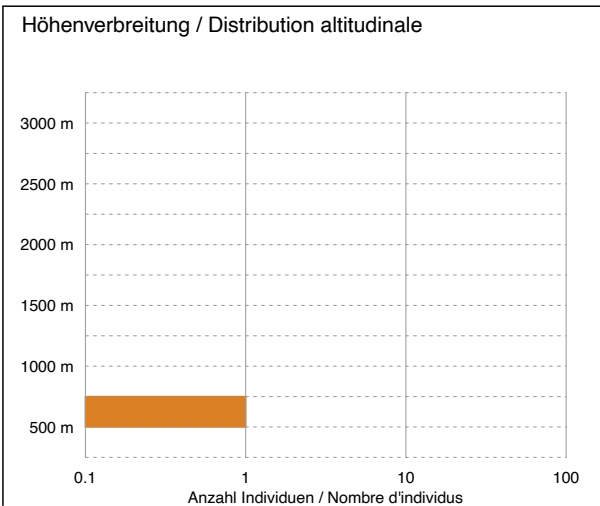
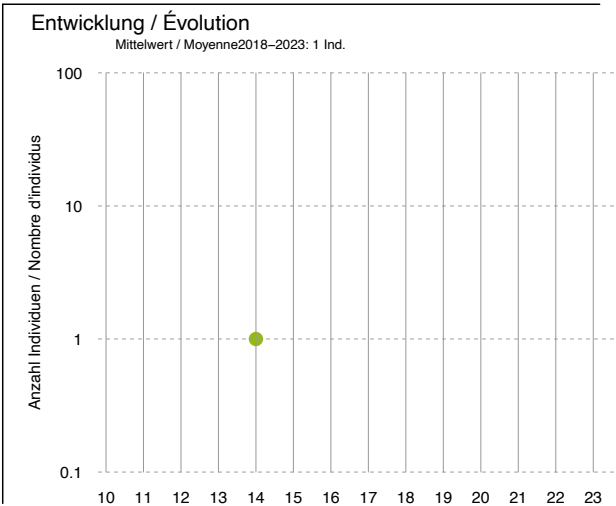
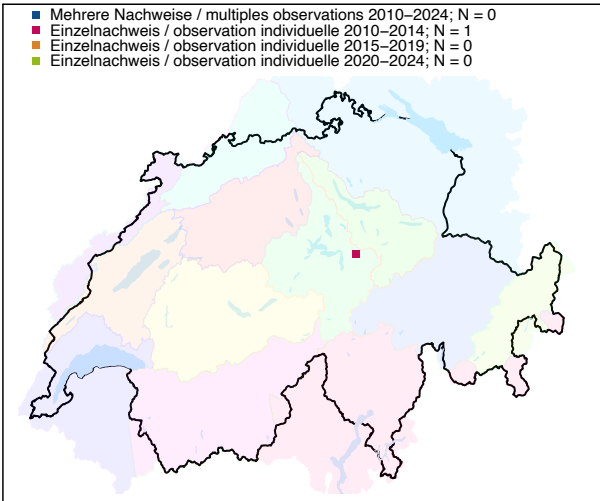
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5607 *Capnia vidua*
Capniidae

Status (RL / Prio): - / -

Indikatorgruppe: NA



5608 *Capnioneura nemuroides* Capniidae

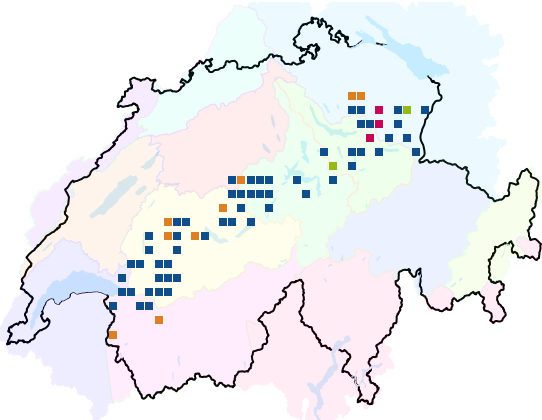
Status (RL / Prio):

LC / –

Indikatorgruppe:

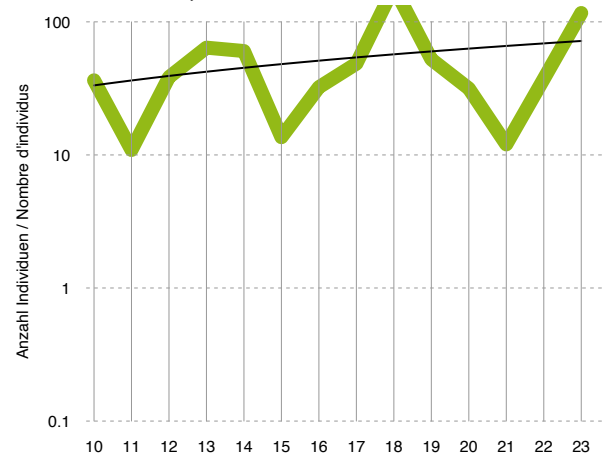
8

- Mehrere Nachweise / multiples observations 2010–2024; N = 55
- Einzelnachweis / observation individuelle 2010–2014; N = 3
- Einzelnachweis / observation individuelle 2015–2019; N = 9
- Einzelnachweis / observation individuelle 2020–2024; N = 2

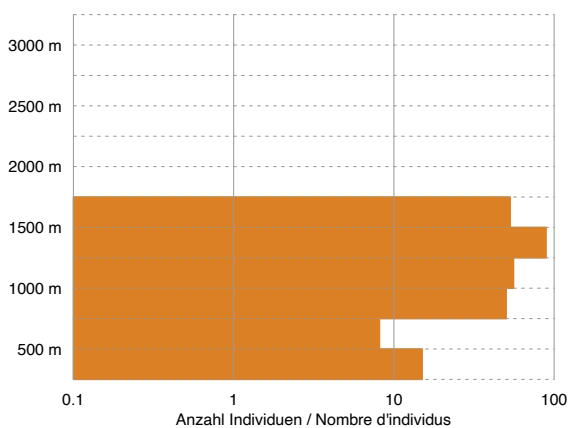


Entwicklung / Évolution

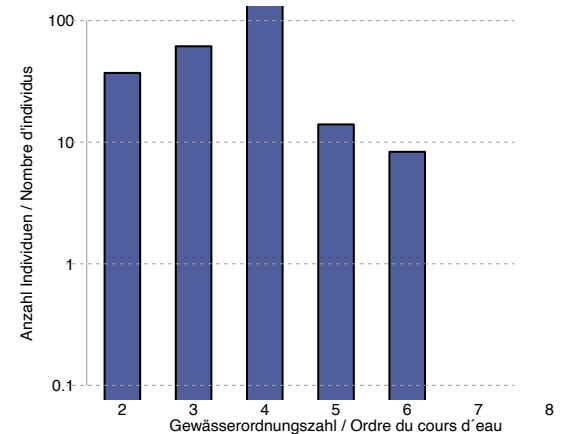
Mittelwert / Moyenne 2018–2023: 54 Ind.



Höhenverbreitung / Distribution altitudinale

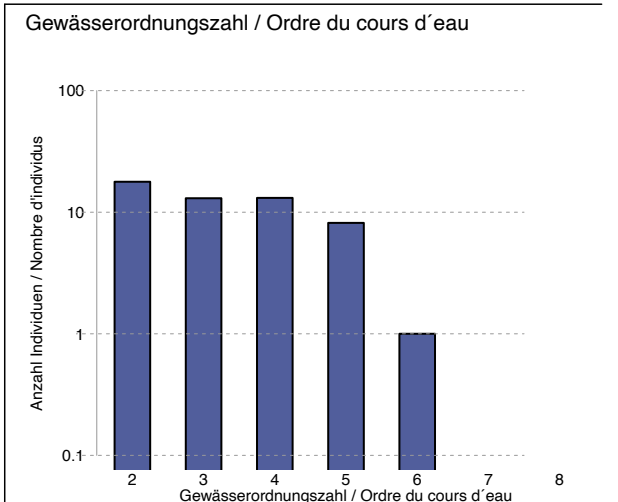
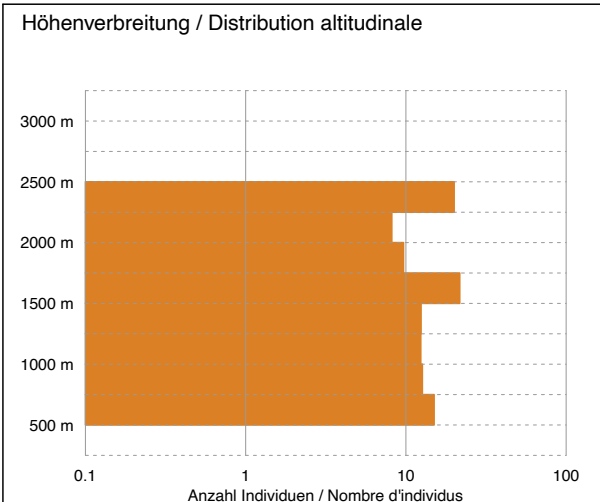
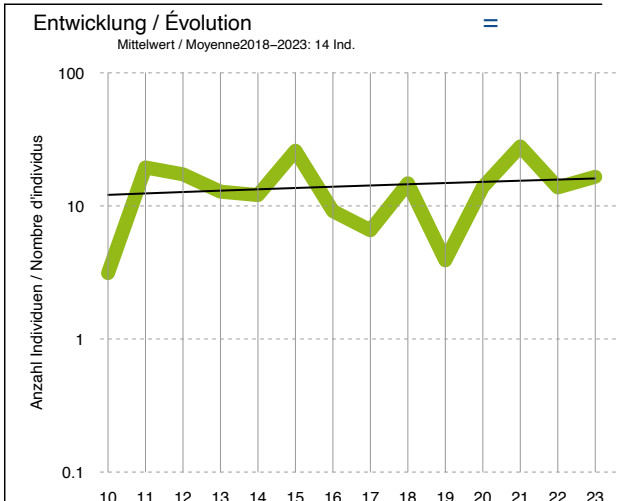
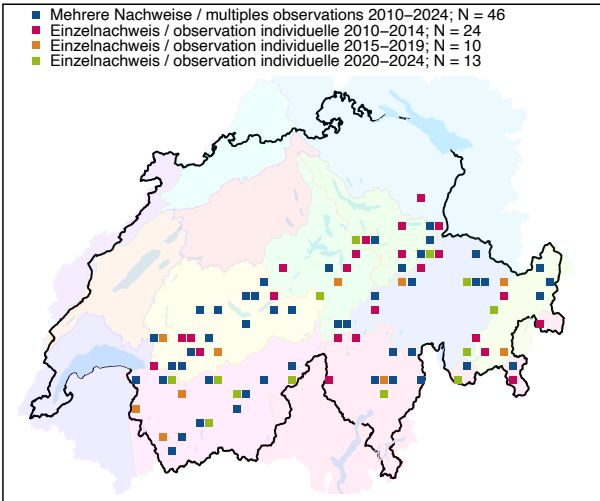


Gewässerordnungszahl / Ordre du cours d'eau



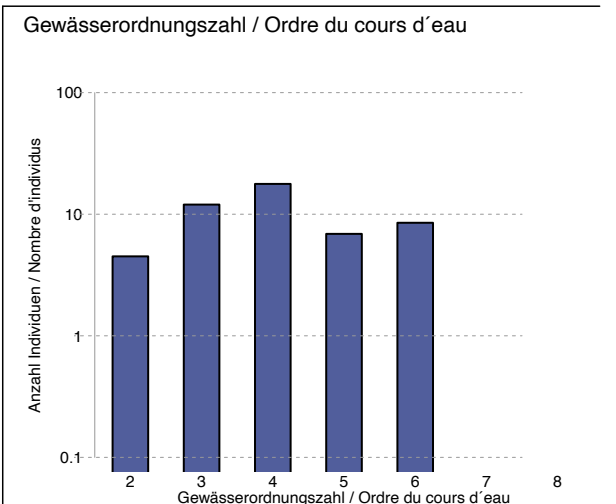
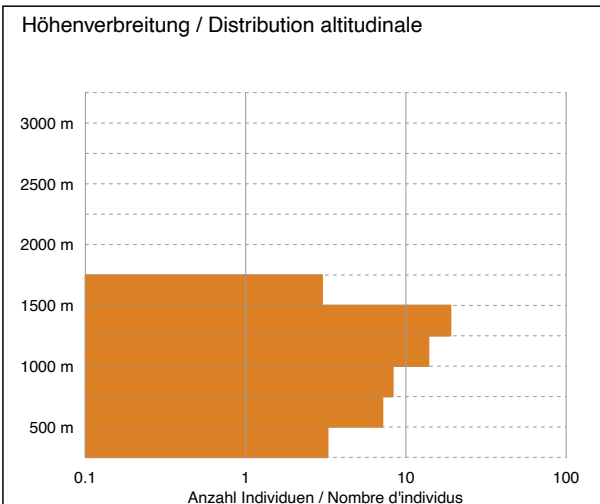
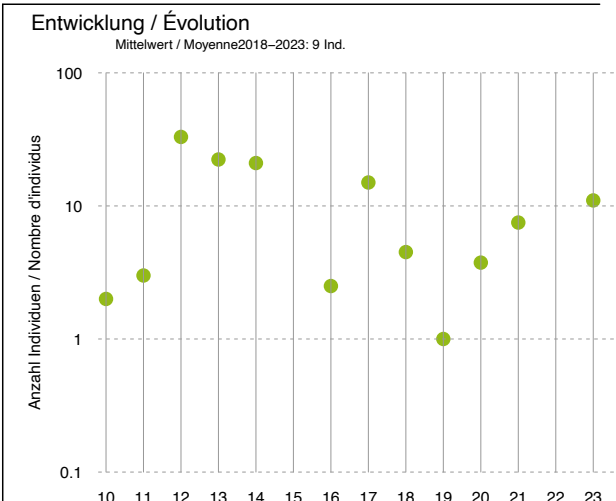
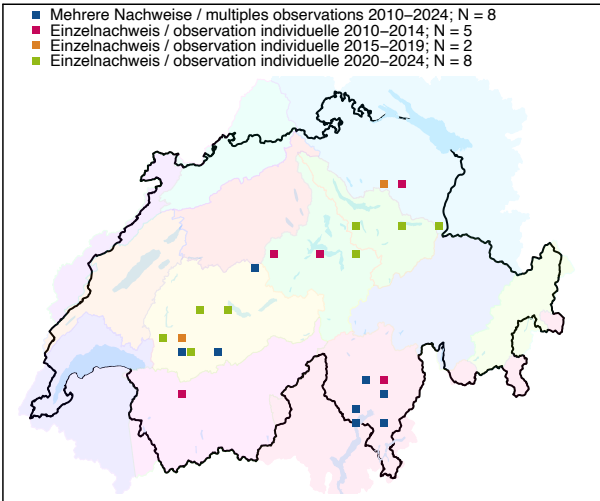
5609 *Chloroperla susemicheli*
Chloroperlidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	9



5610 *Chloroperla tripunctata*
Chloroperlidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA

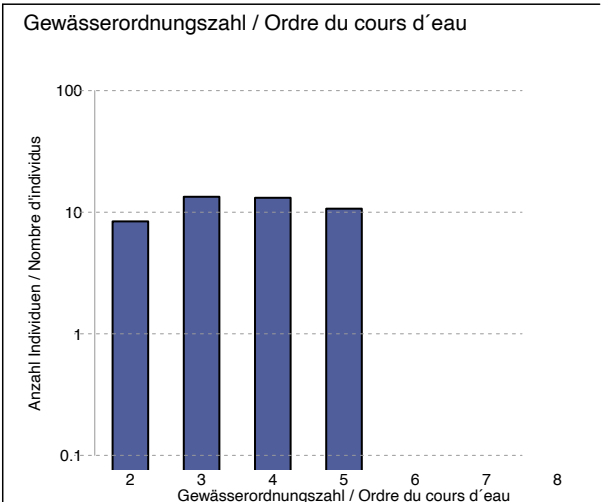
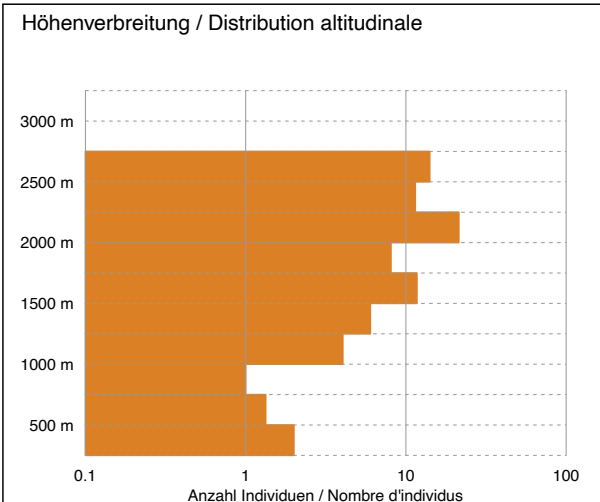
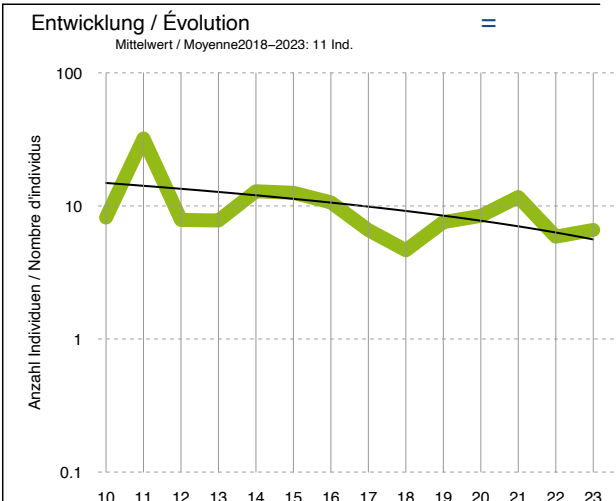
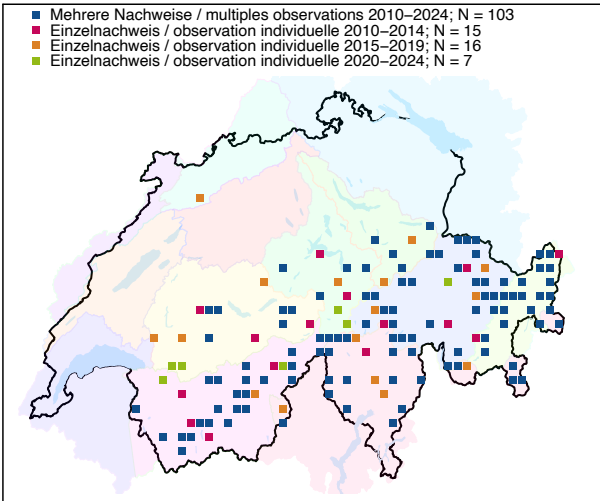


5613 Dictyogenus –Komplex

Perlodidae

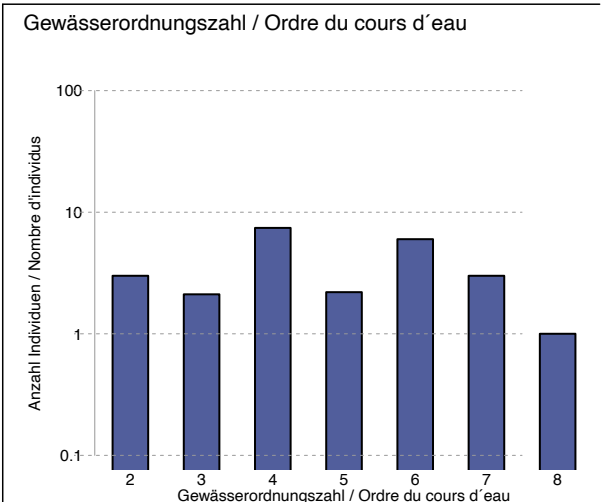
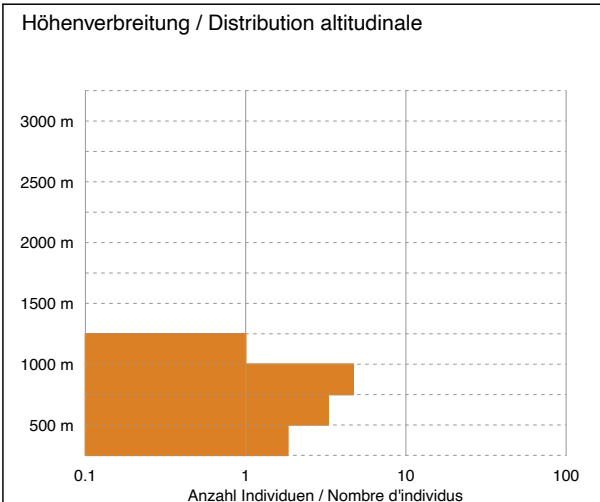
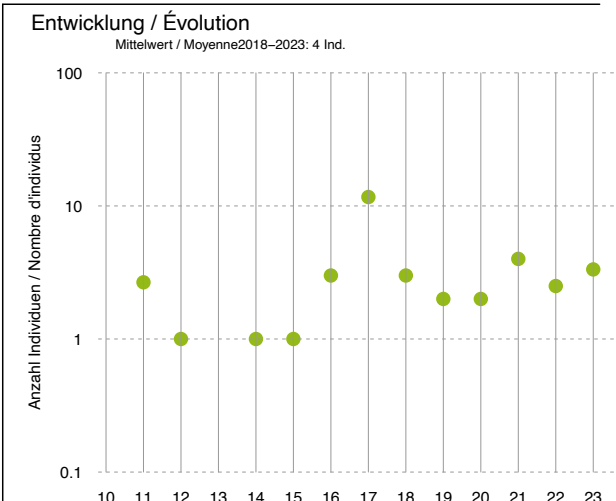
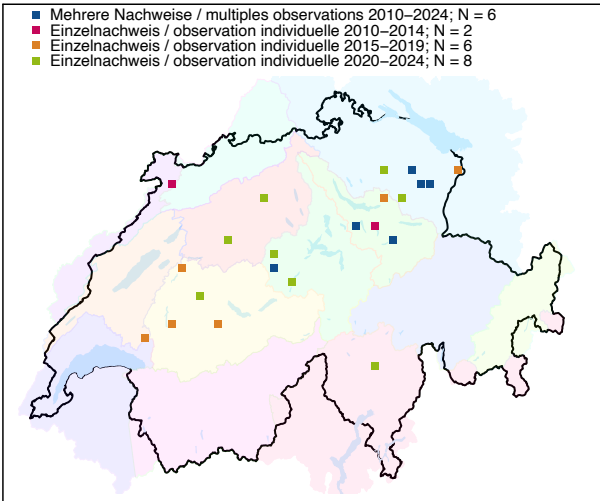
alpinum, fontium, jurassicum

Status (RL / Prio):	- / -
Indikatorgruppe:	9



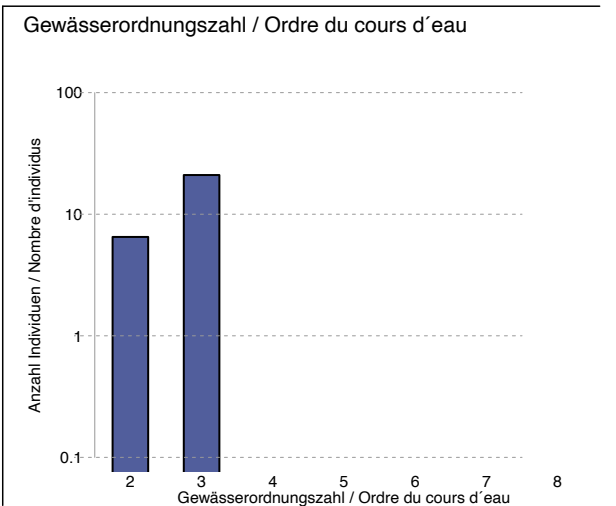
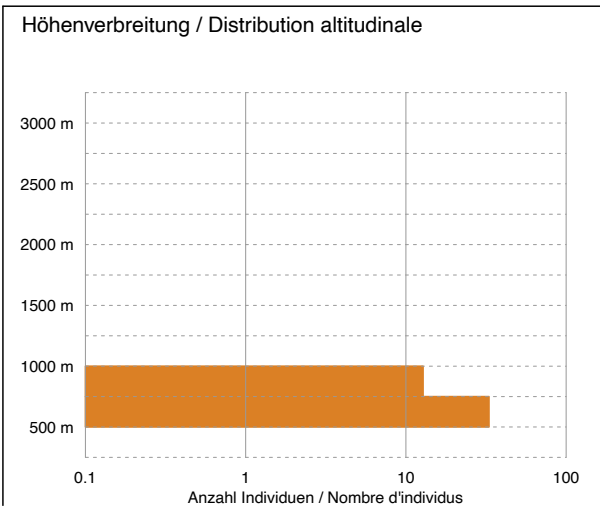
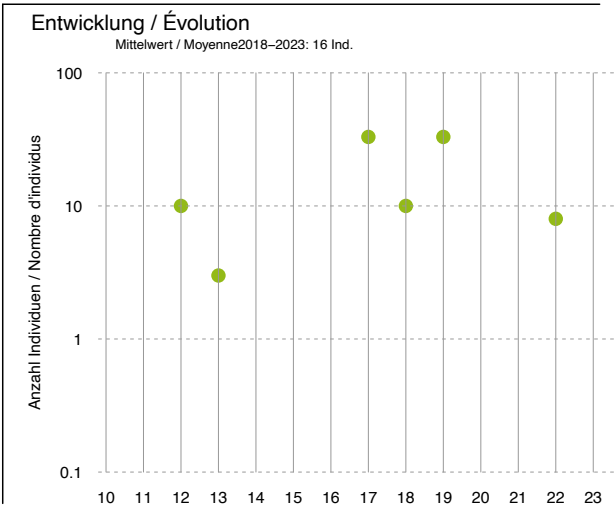
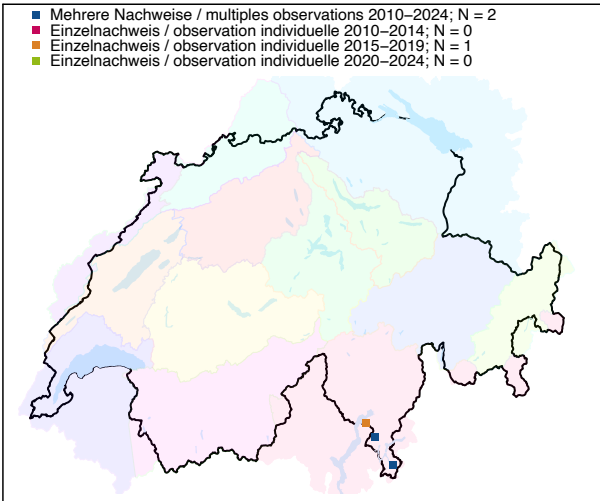
5614 *Dinocras cephalotes*
Perlidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



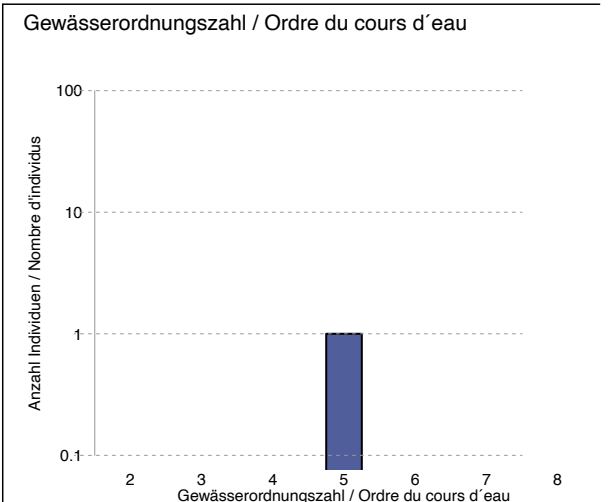
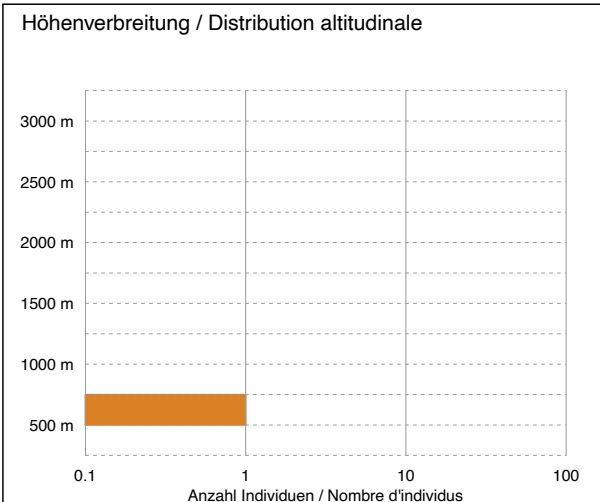
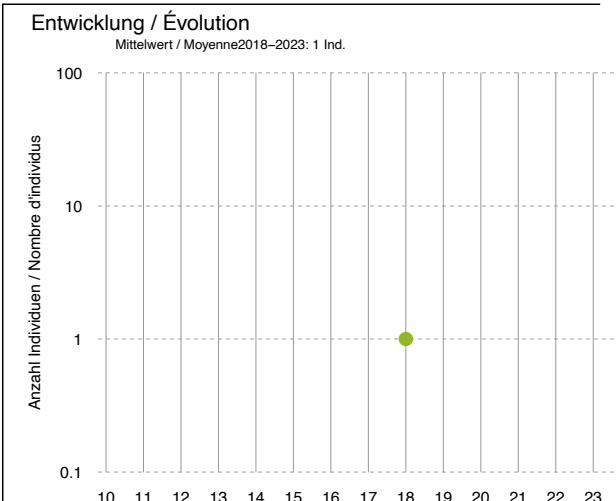
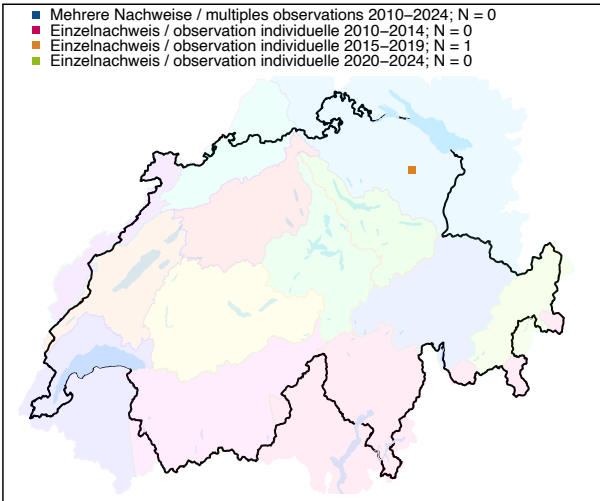
5615 *Dinocras ferrerii*
Perlidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5616 *Dinocras megacephala*
Perlidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5625 *Isoperla* –Komplex

Perlodidae

carbonaria, grammatica, lugens, obscura
orobica, oxylepis, rivulorum

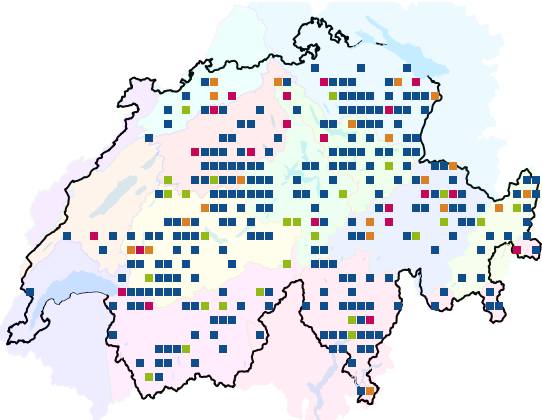
Status (RL / Prio):

– / –

Indikatorgruppe:

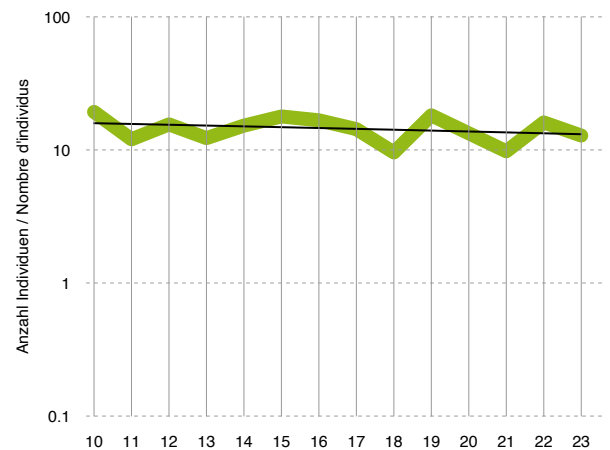
9

- Mehrere Nachweise / multiples observations 2010–2024; N = 238
- Einzelnachweis / observation individuelle 2010–2014; N = 21
- Einzelnachweis / observation individuelle 2015–2019; N = 20
- Einzelnachweis / observation individuelle 2020–2024; N = 26

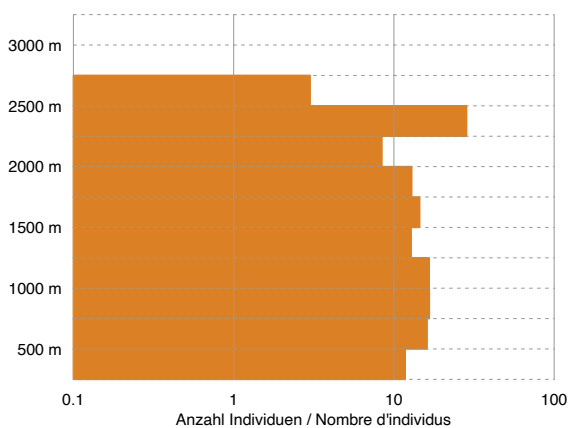


Entwicklung / Évolution

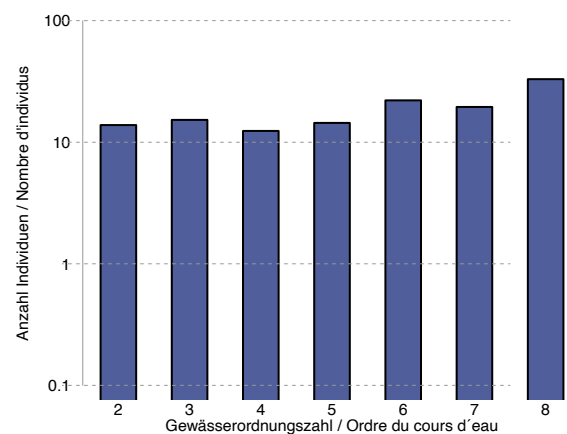
Mittelwert / Moyenne 2018–2023: 14 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau



6063 Leuctra –Komplex

Leuctridae

albida, alpina, ameliae, armata
aurita, autumnalis, biellensis, caprai
cingulata, dolasilla, elisabethae, festai
fusca, handlirschi, helvetica, hexacantha
hippopus, inermis, insubrica, leptogaster
meridionalis, mortoni, moselyi, niveola
prima, pseudorosinae, pseudosignifera, rauscheri
ravizzai, rosinae, sesvenna, subalpina
teriolensis, vinconi, zwicki

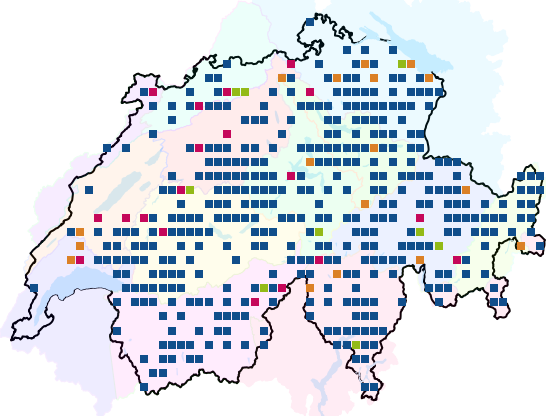
Status (RL / Prio):

– / –

Indikatorgruppe:

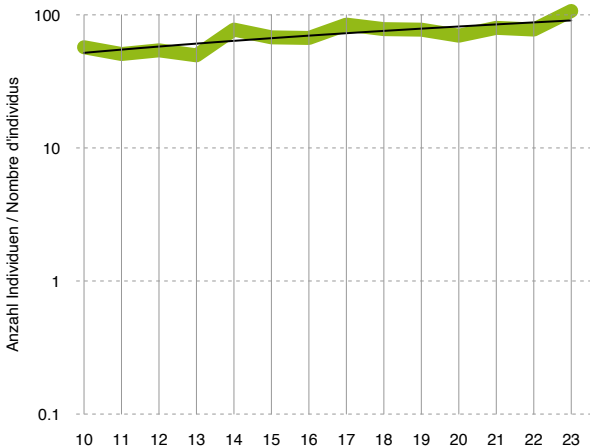
6

■ Mehrere Nachweise / multiples observations 2010–2024; N = 381
■ Einzelnachweis / observation individuelle 2010–2014; N = 19
■ Einzelnachweis / observation individuelle 2015–2019; N = 17
■ Einzelnachweis / observation individuelle 2020–2024; N = 9

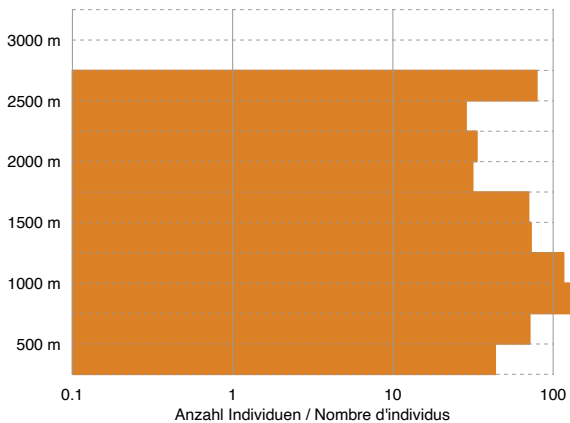


Entwicklung / Évolution

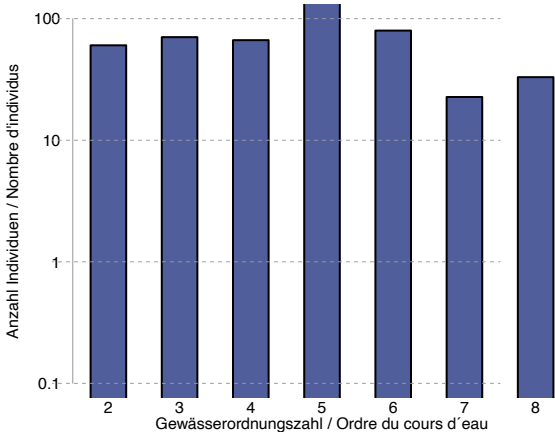
Mittelwert / Moyenne 2018–2023: 71 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

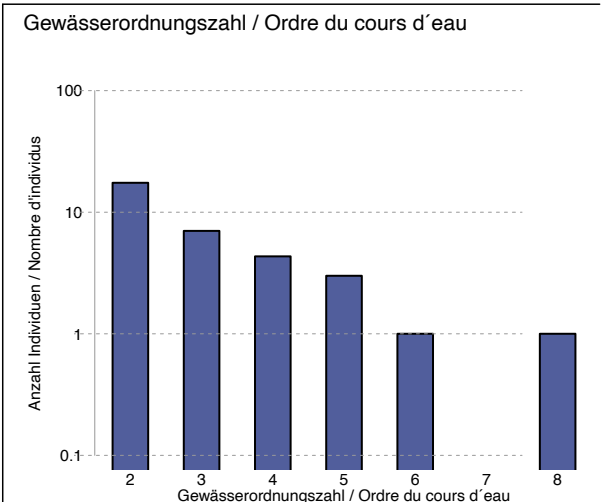
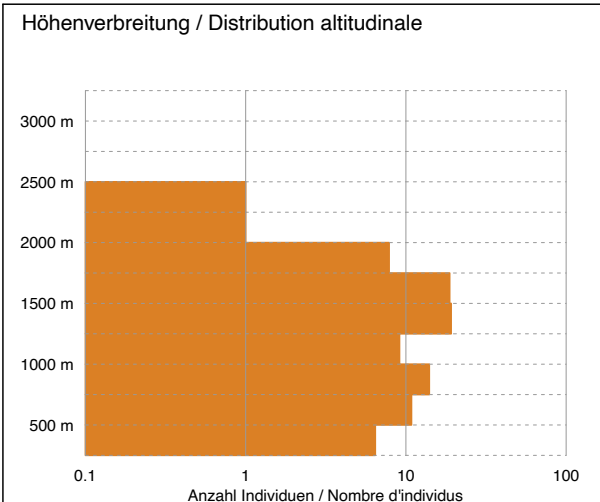
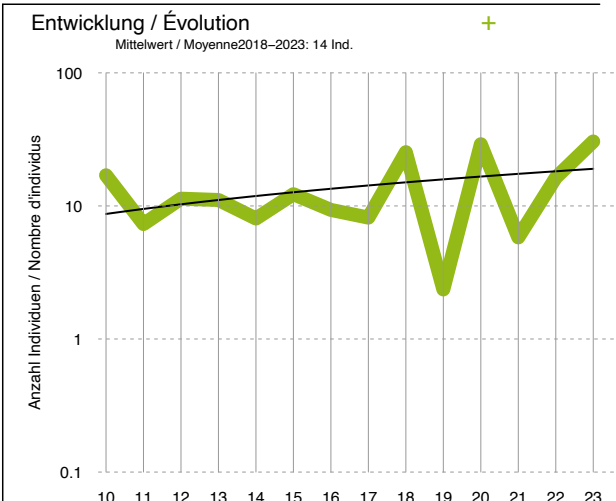
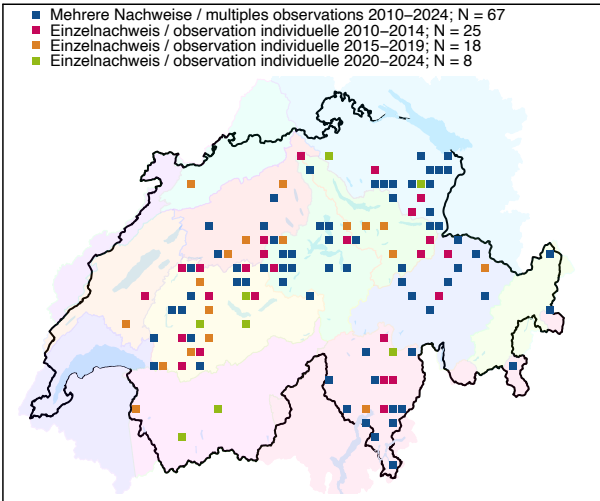


6979 *Leuctra braueri*–Komplex

Leuctridae

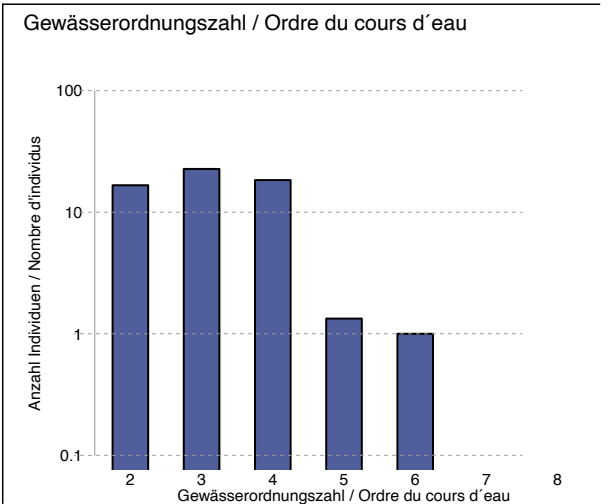
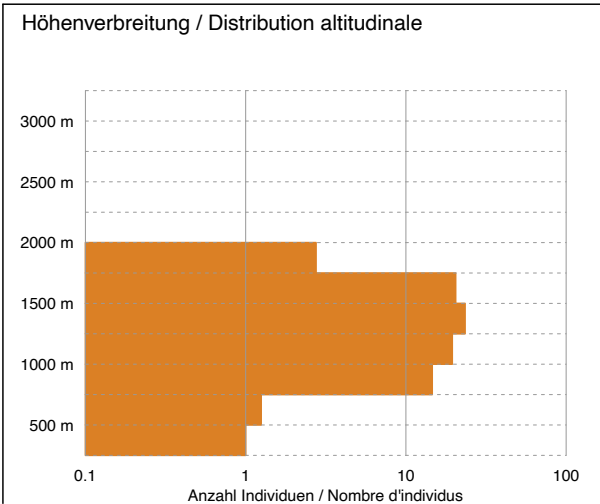
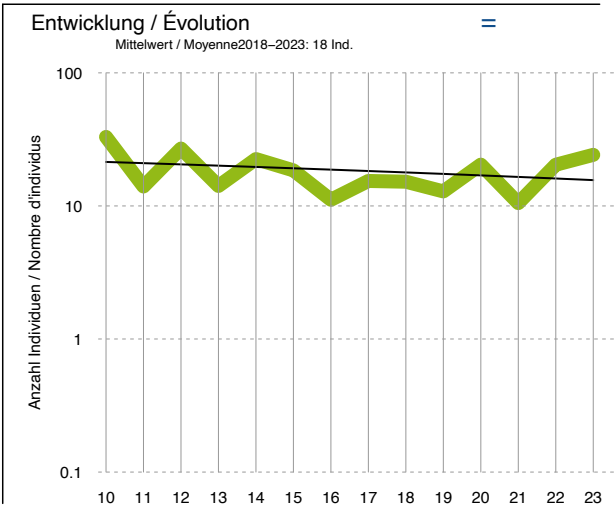
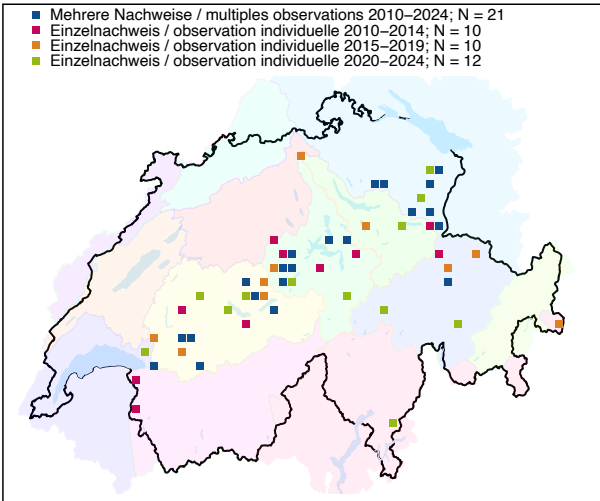
braueri, muranyii

Status (RL / Prio):	– / –
Indikatorgruppe:	6



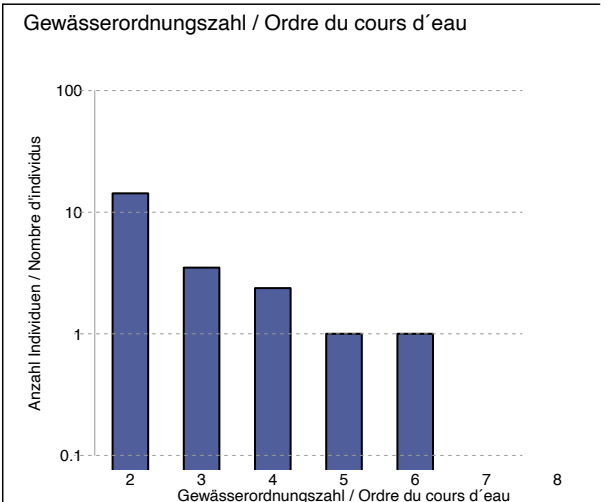
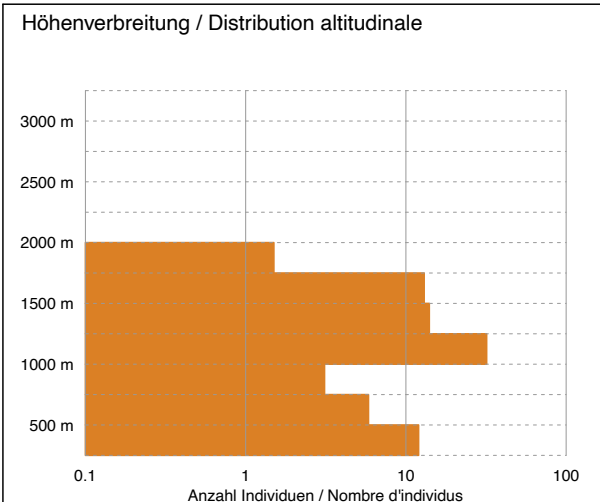
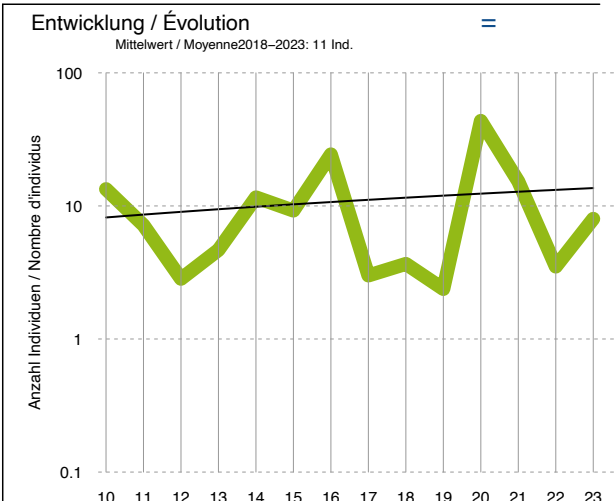
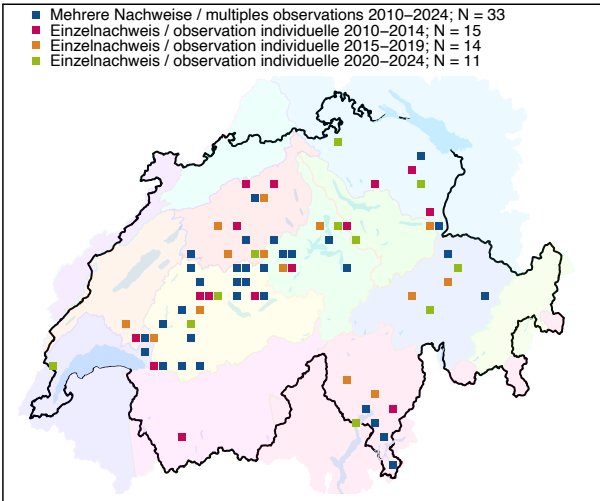
5646 *Leuctra major*
Leuctridae

Status (RL / Prio):	LC / –
Indikatorgruppe:	6



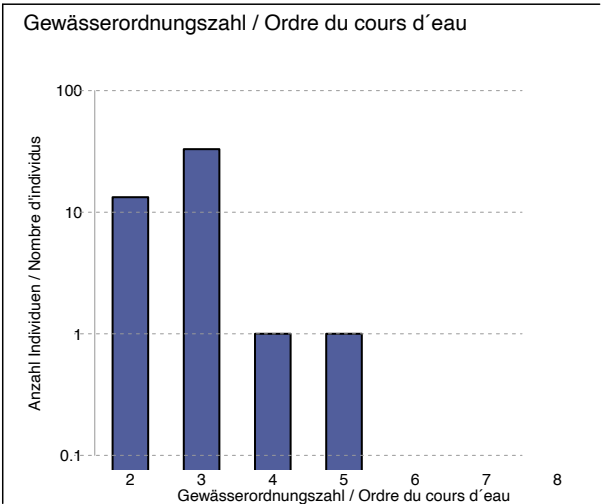
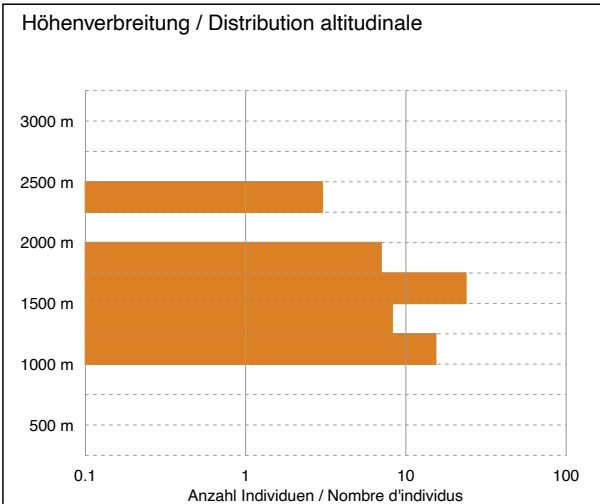
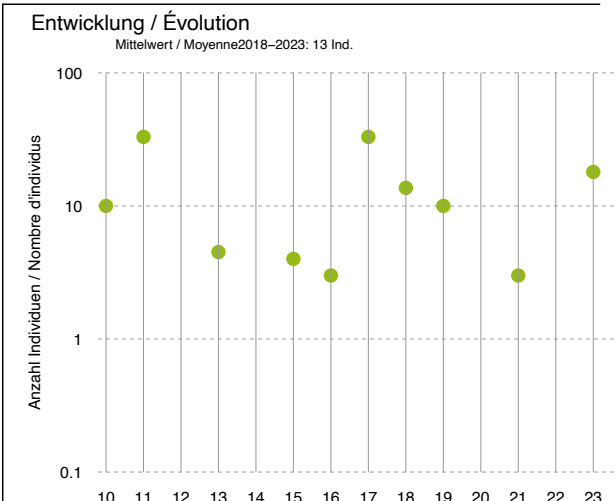
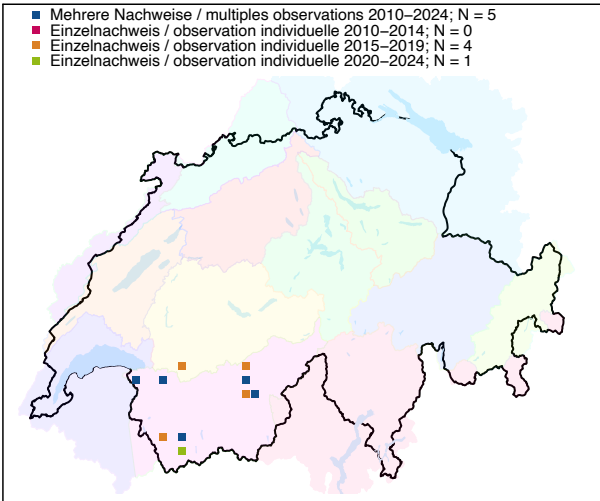
5650 *Leuctra nigra*
Leuctridae

Status (RL / Prio):	LC / –
Indikatorgruppe:	6



5658 *Leuctra schmidi*
Leuctridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5679 *Nemoura* –Komplex

Nemouridae

avicularis, cambrica, cinerea, dubitans
flexuosa, marginata, obtusa, palliventris
pesarinii, sciurus, sinuata, uncinata
undulata

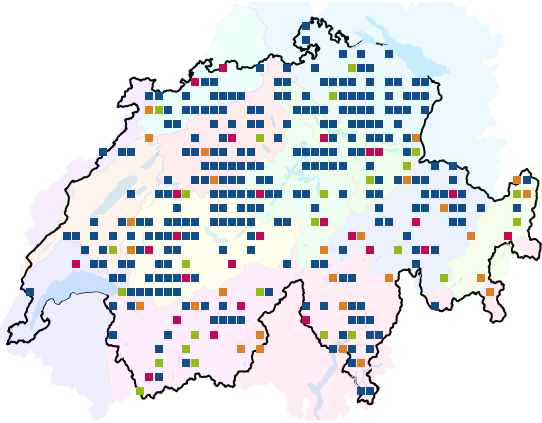
Status (RL / Prio):

– / –

Indikatorgruppe:

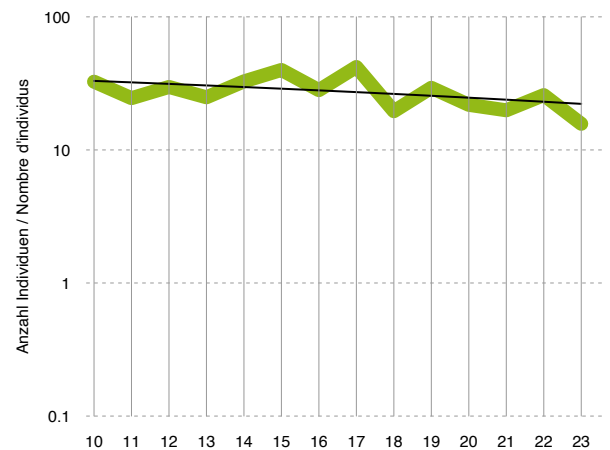
5

- Mehrere Nachweise / multiples observations 2010–2024; N = 262
- Einzelnachweis / observation individuelle 2010–2014; N = 26
- Einzelnachweis / observation individuelle 2015–2019; N = 27
- Einzelnachweis / observation individuelle 2020–2024; N = 25

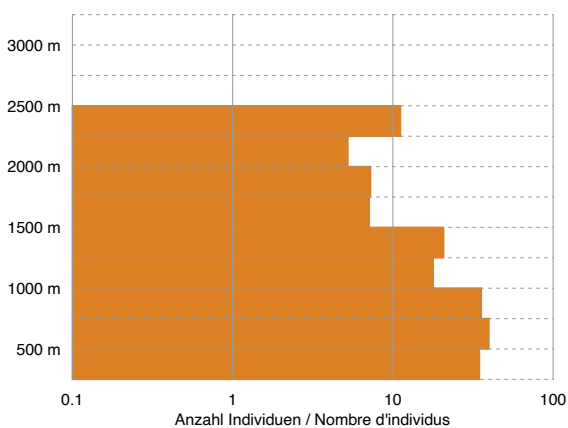


Entwicklung / Évolution

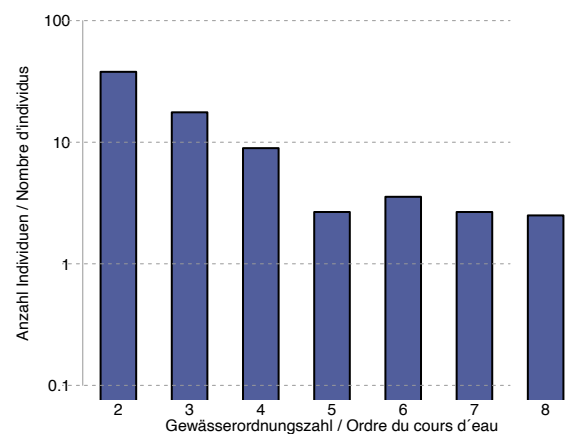
Mittelwert / Moyenne 2018–2023: 28 Ind.



Höhenverbreitung / Distribution altitudinale

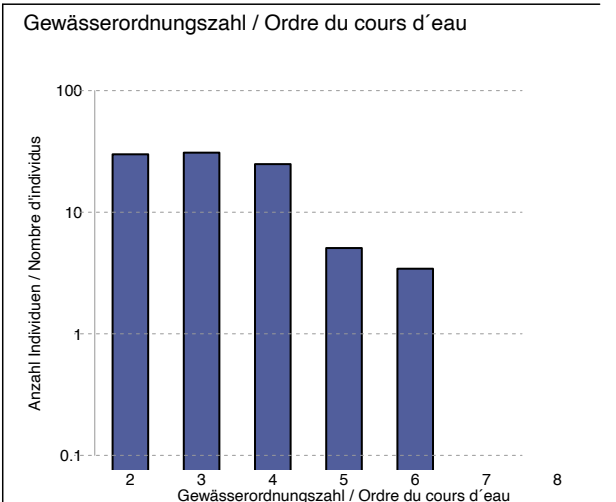
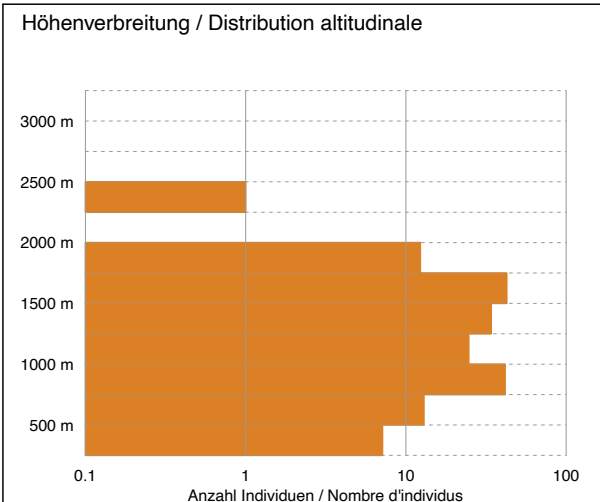
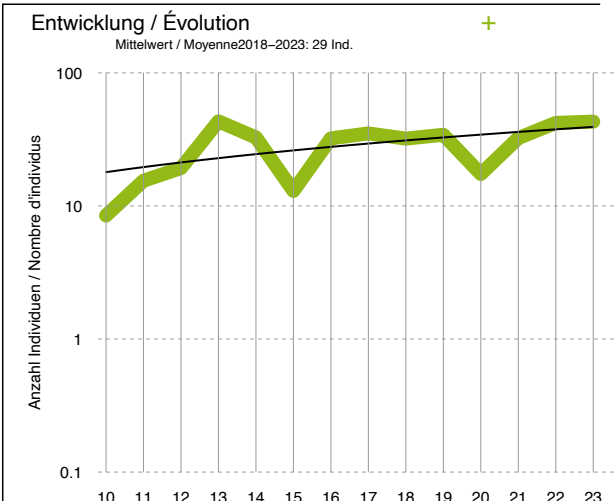
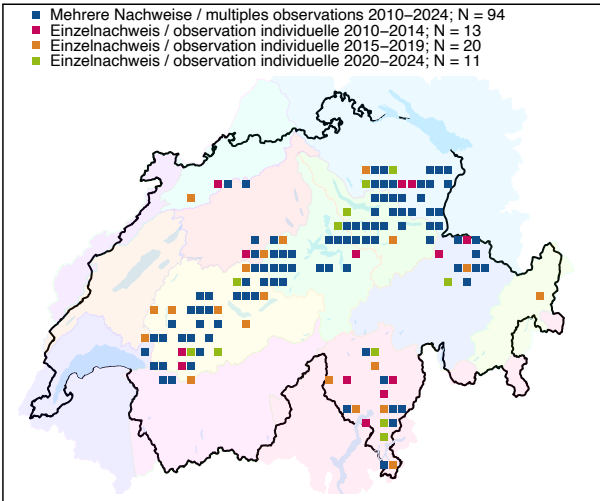


Gewässerordnungszahl / Ordre du cours d'eau



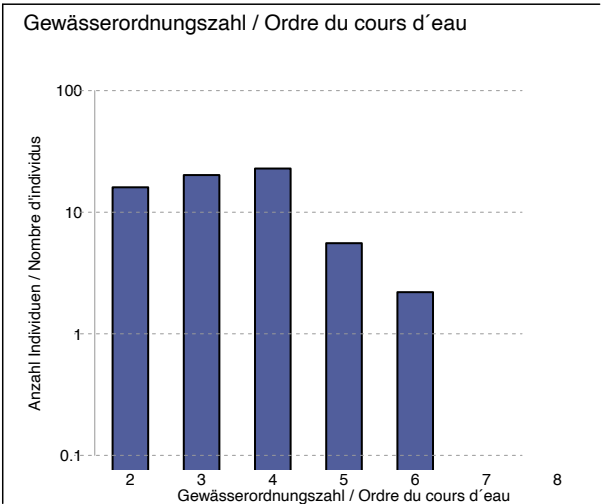
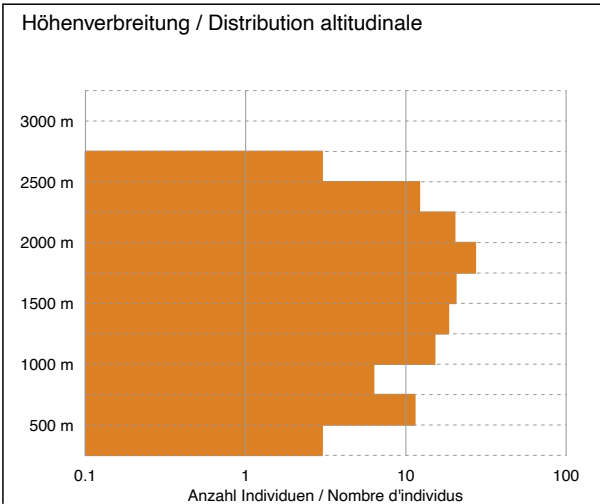
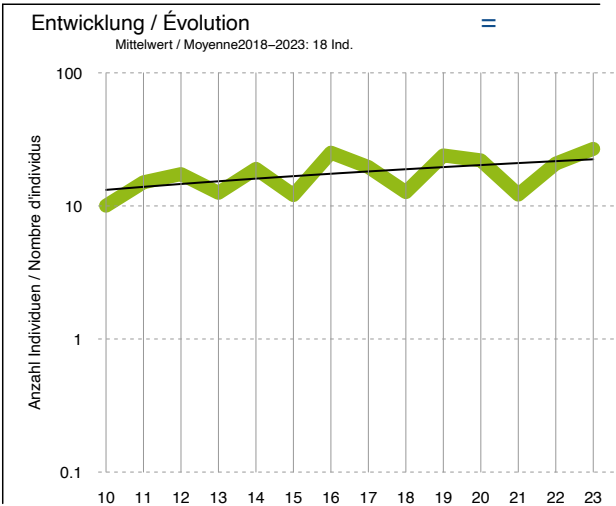
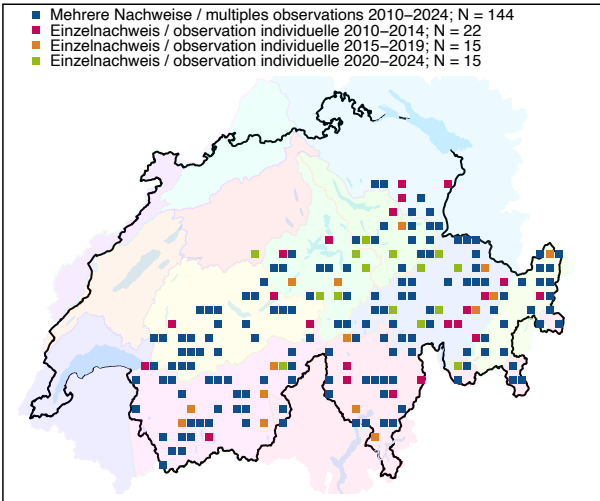
5670 *Nemoura minima*
Nemouridae

Status (RL / Prio):	NT / –
Indikatorgruppe:	5



5671 *Nemoura mortoni*
Nemouridae

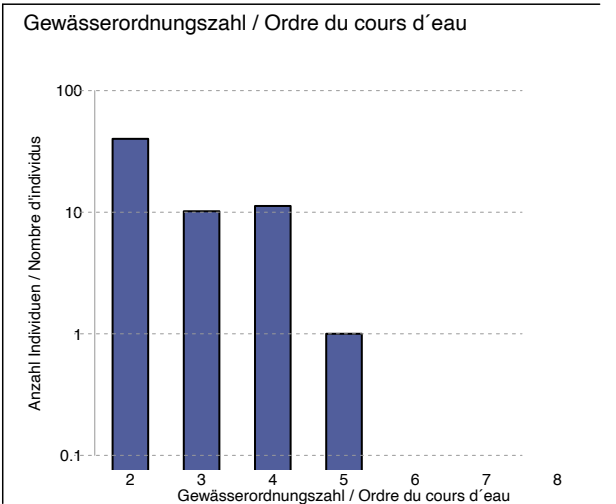
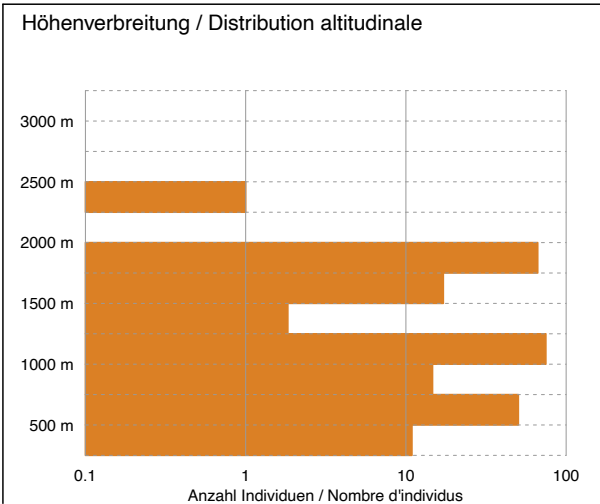
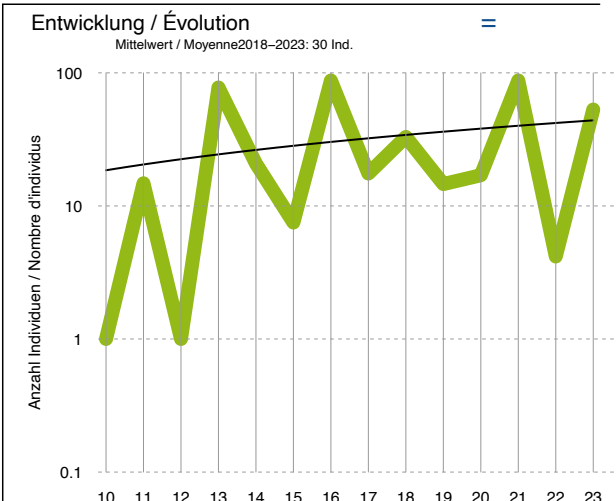
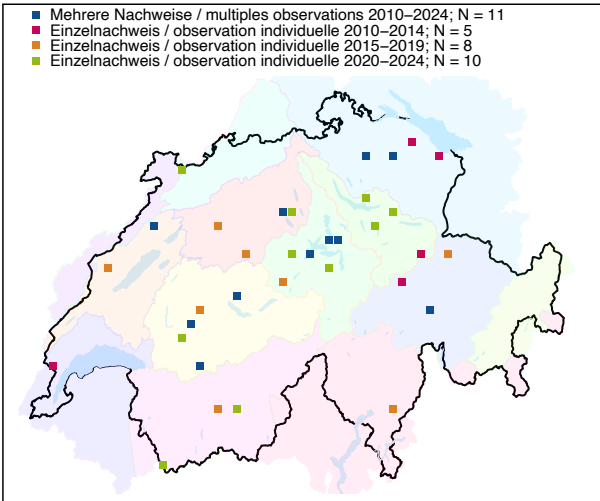
Status (RL / Prio):	LC / –
Indikatorgruppe:	5



5680 *Nemurella pictetii*
Nemouridae

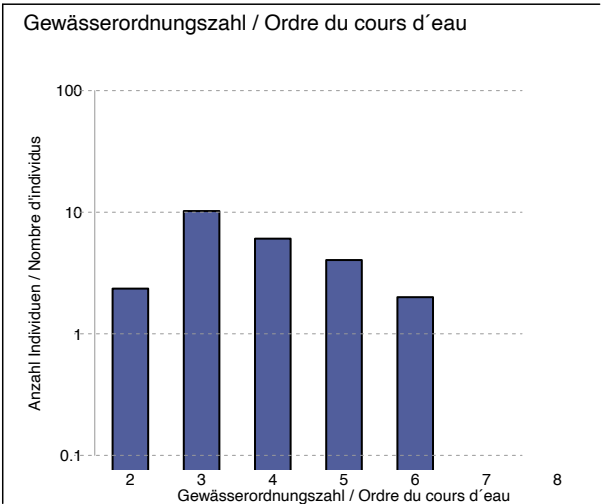
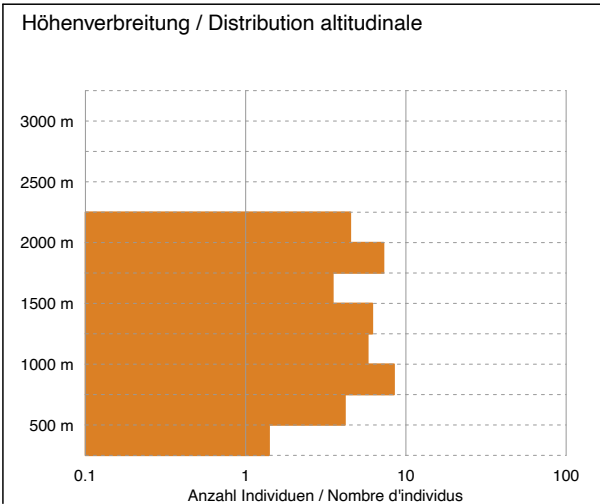
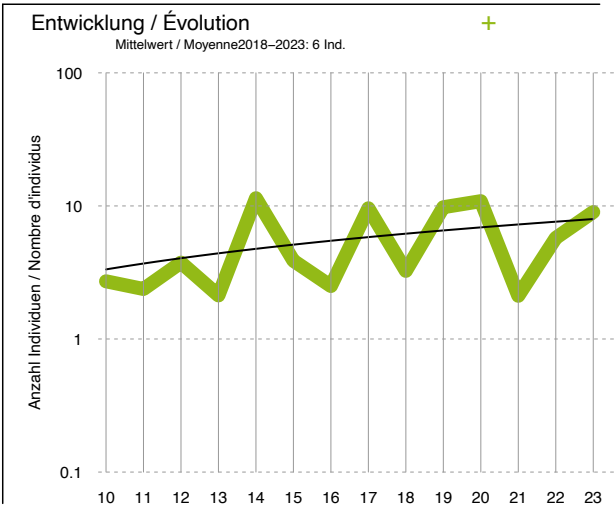
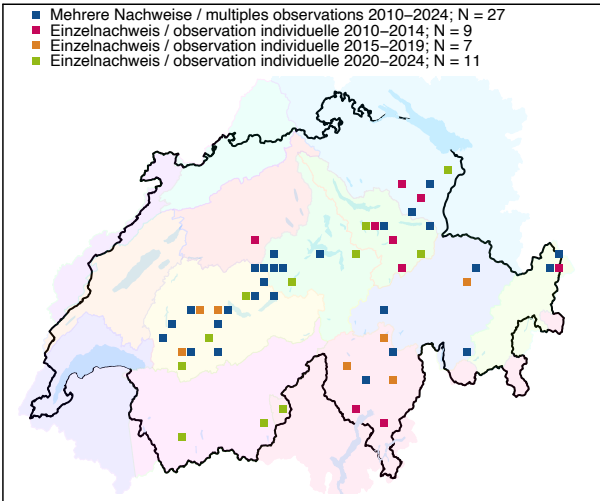
Status (RL / Prio): - / -

Indikatorgruppe: NA



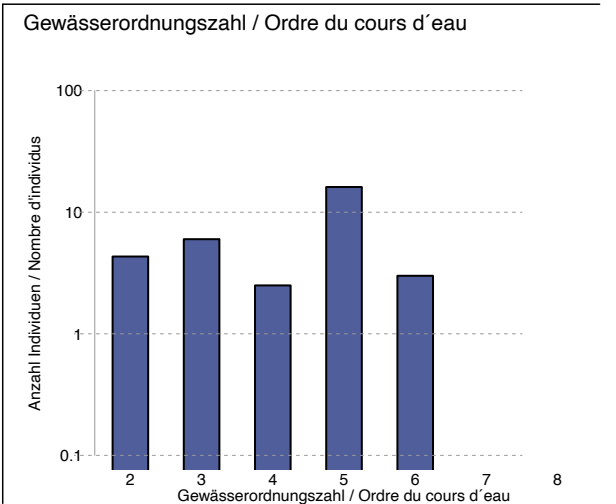
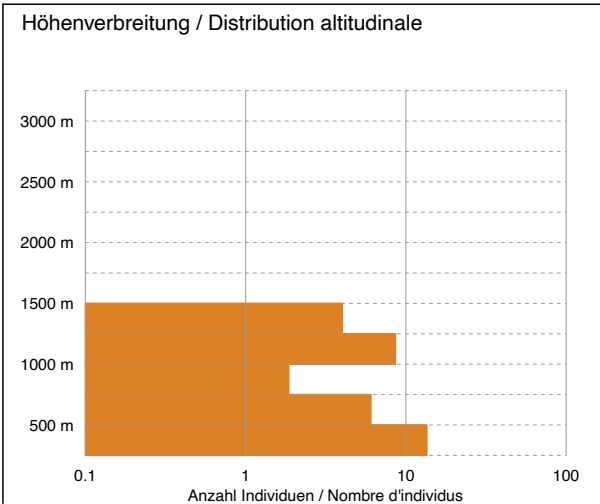
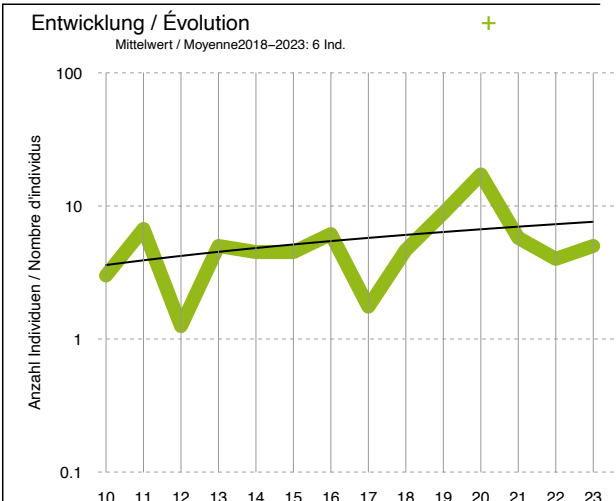
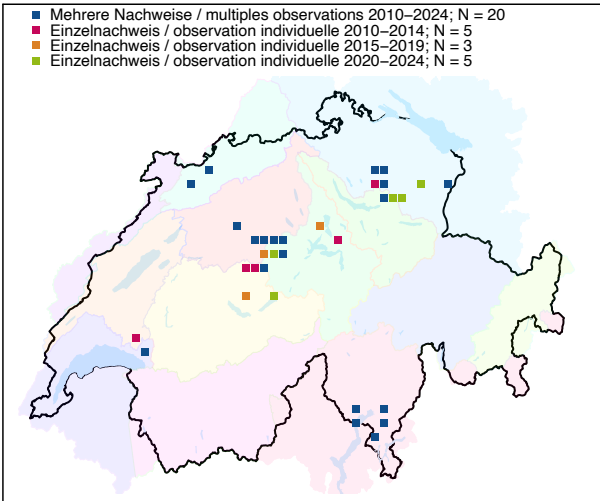
5682 *Perla grandis*
Perlidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	9



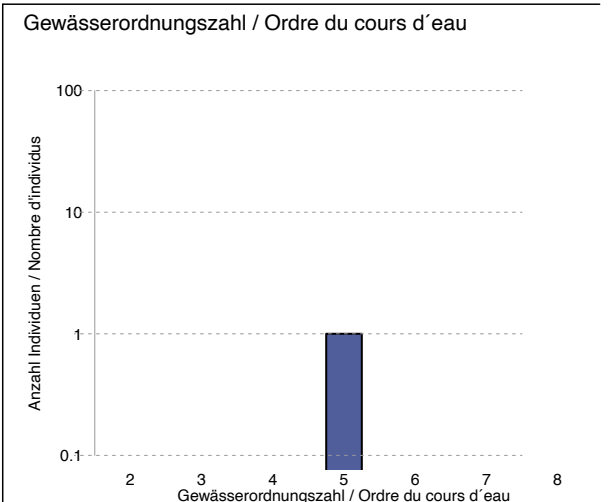
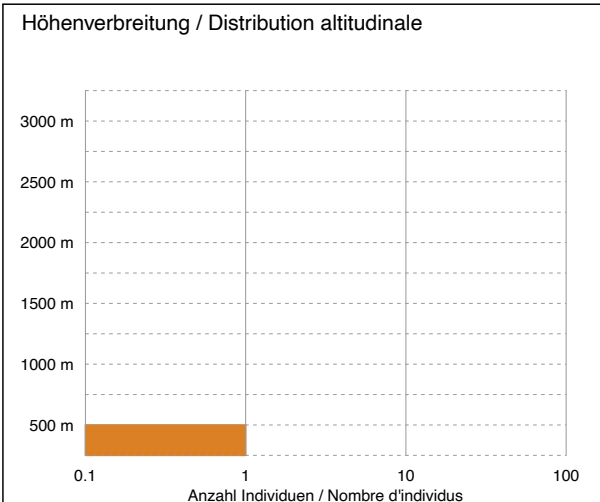
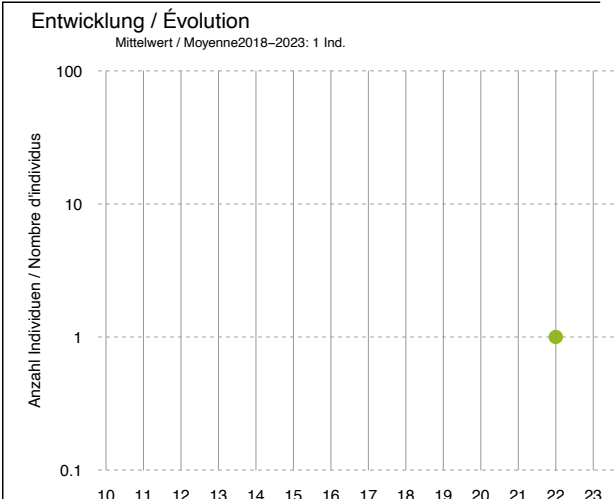
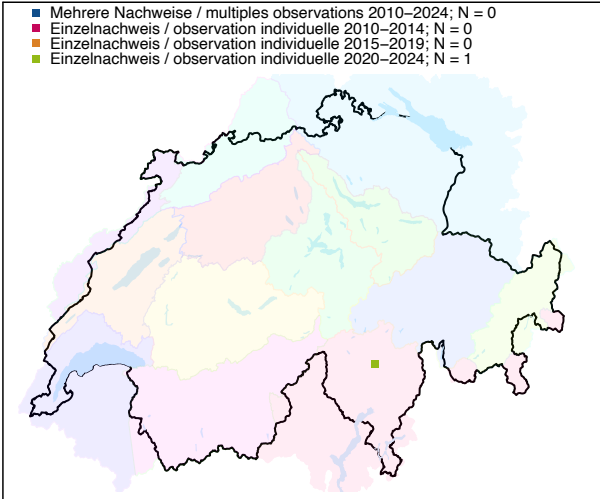
5683 *Perla marginata*
Perlidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5684 *Perlodes dispar*
Perlodidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5685 *Perlodes intricatus*

Perlodidae

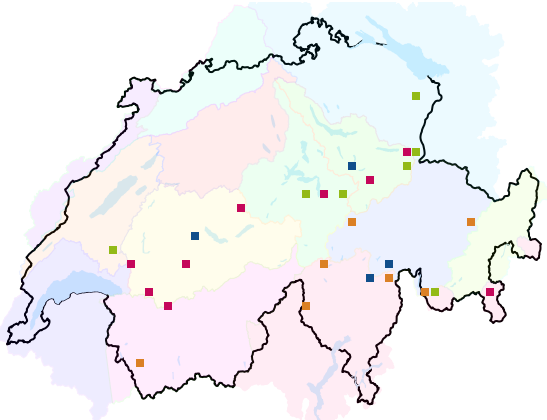
Status (RL / Prio):

– / –

Indikatorgruppe:

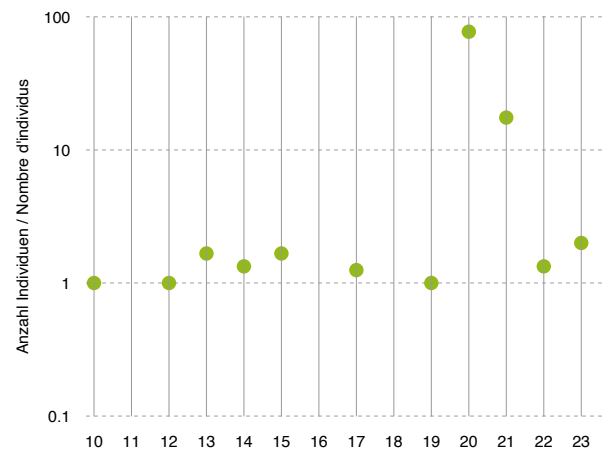
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 4
- Einzelnachweis / observation individuelle 2010–2014; N = 9
- Einzelnachweis / observation individuelle 2015–2019; N = 7
- Einzelnachweis / observation individuelle 2020–2024; N = 7

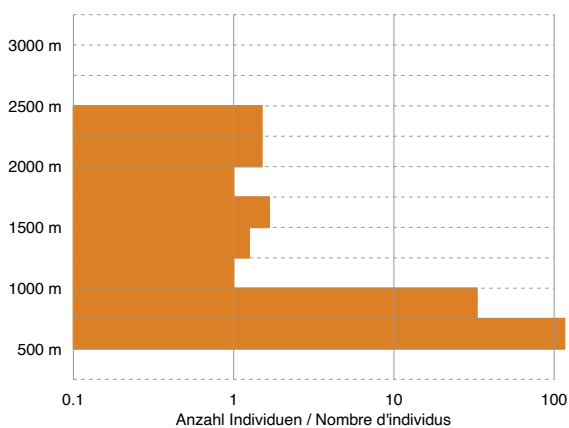


Entwicklung / Évolution

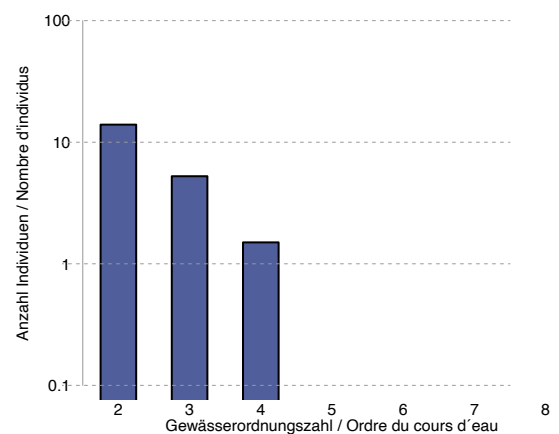
Mittelwert / Moyenne 2018–2023: 9 Ind.



Höhenverbreitung / Distribution altitudinale

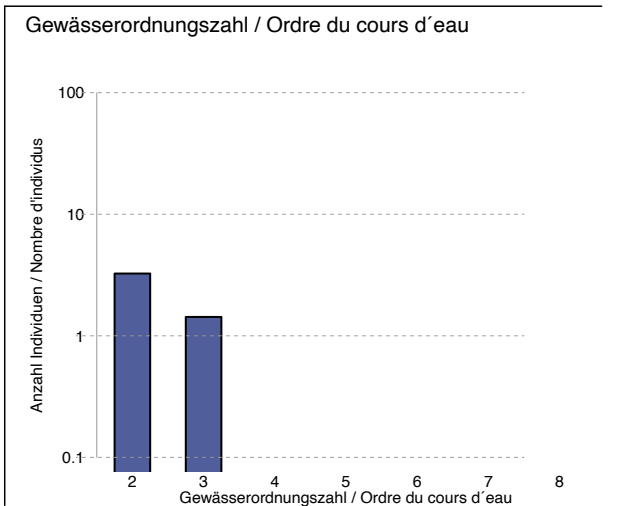
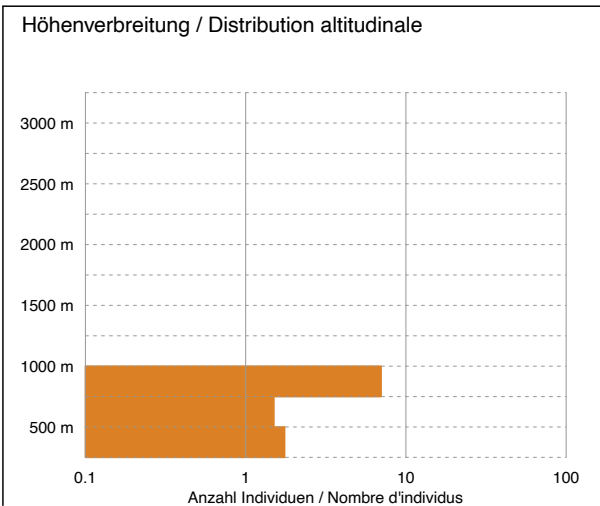
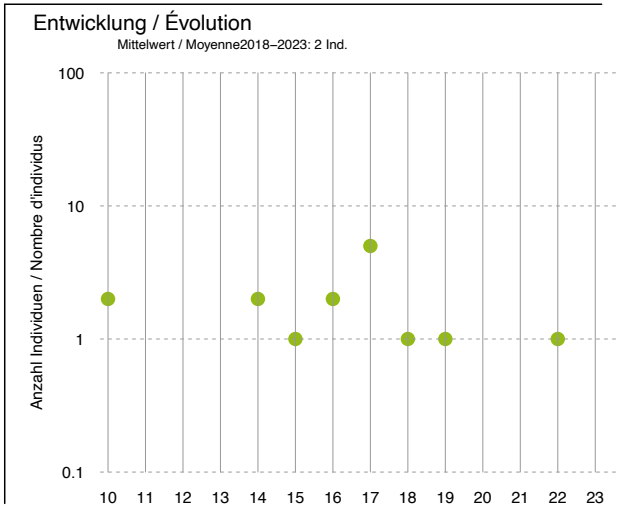
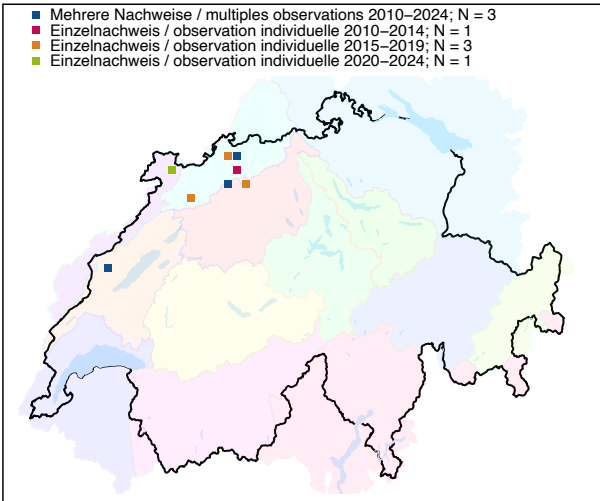


Gewässerordnungszahl / Ordre du cours d'eau



5686 *Perlodes jurassicus*
Perlodidae

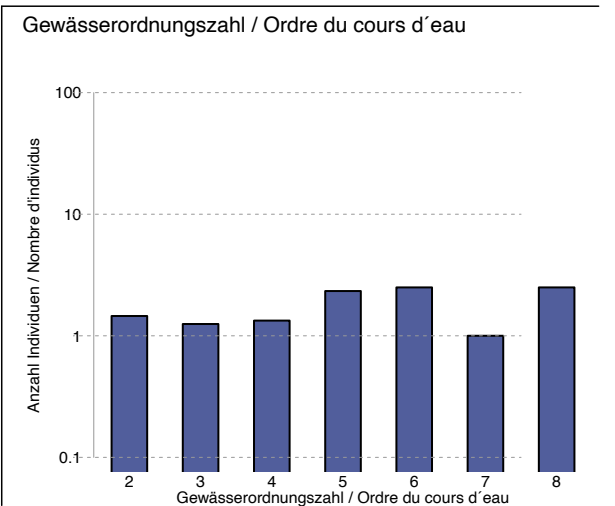
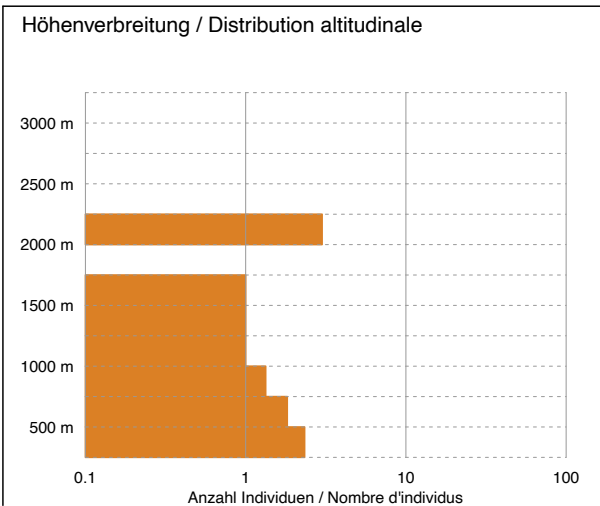
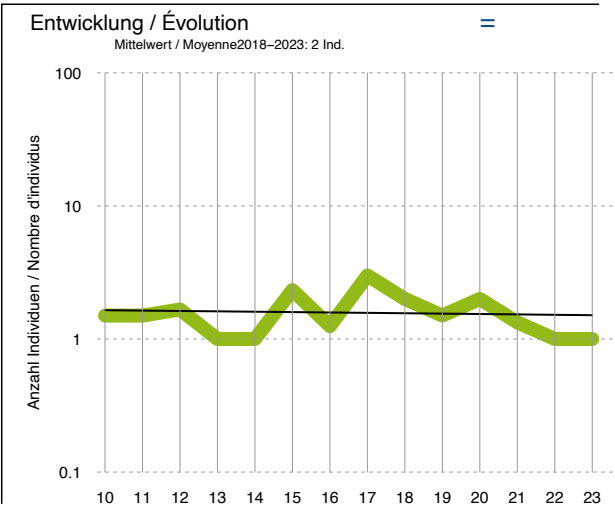
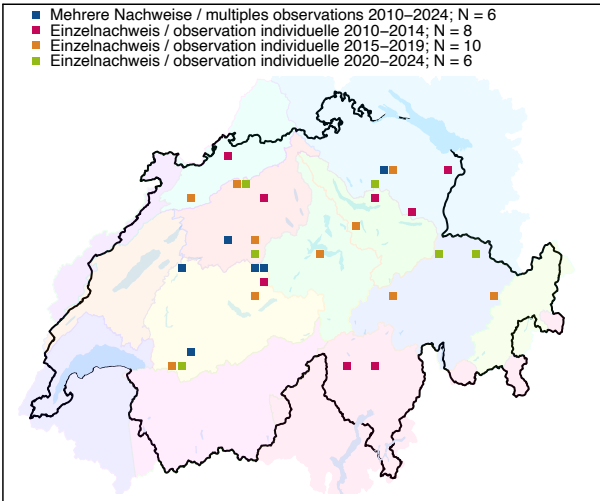
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5687 *Perlodes microcephalus*

Perlodidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5689 *Protonemura algovia*–Komplex

Nemouridae *algovia*, *nimborella*

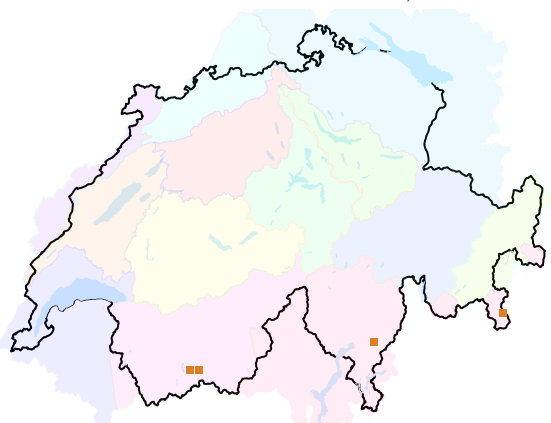
Status (RL / Prio):

– / –

Indikatorgruppe:

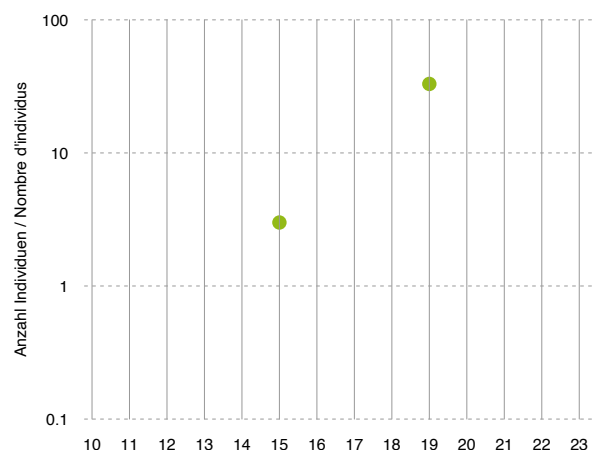
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 4
- Einzelnachweis / observation individuelle 2020–2024; N = 0

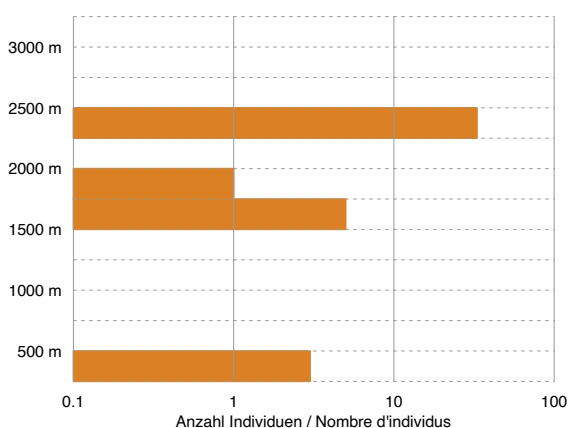


Entwicklung / Évolution

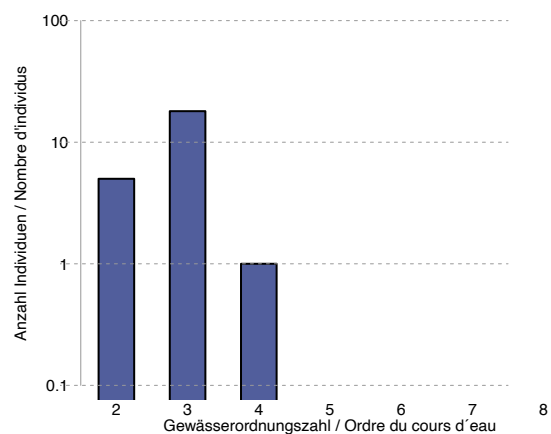
Mittelwert / Moyenne 2018–2023: 10 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau



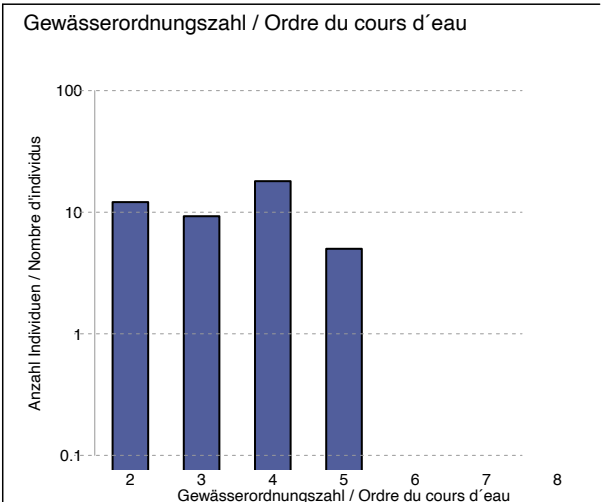
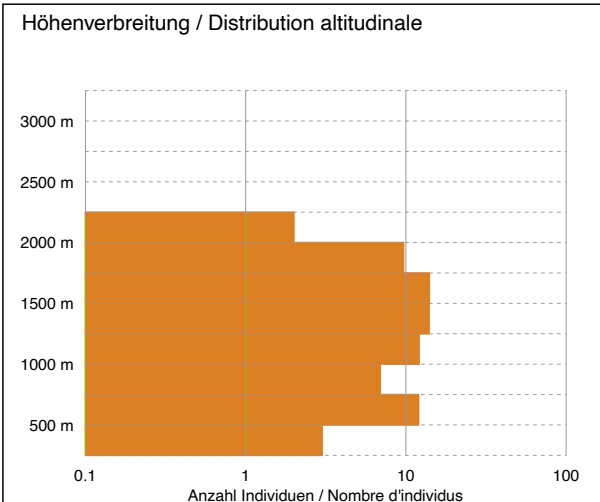
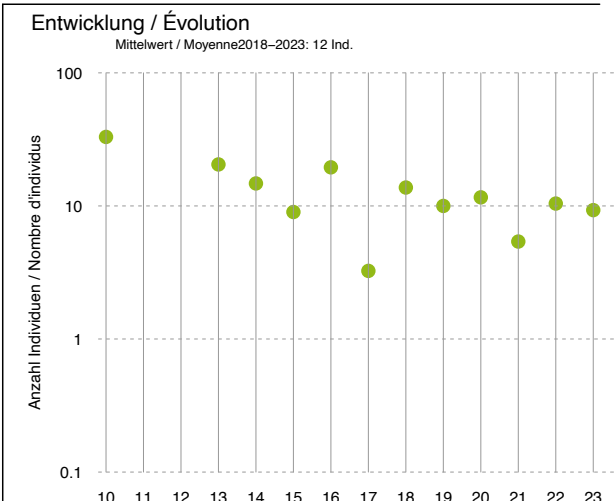
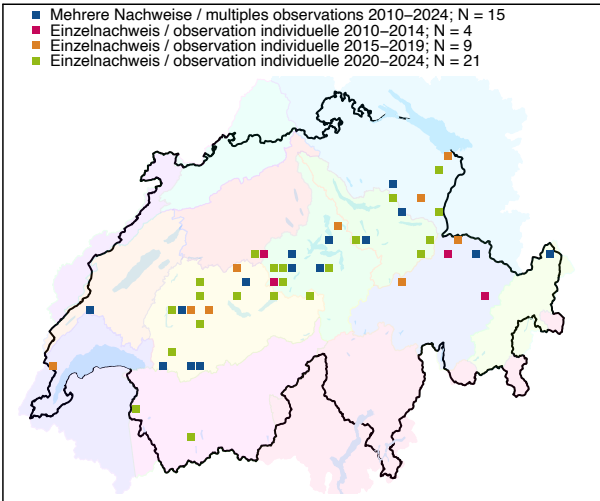
5691

Protonemura auberti-Komplex

Nemouridae

auberti, pennina, risi

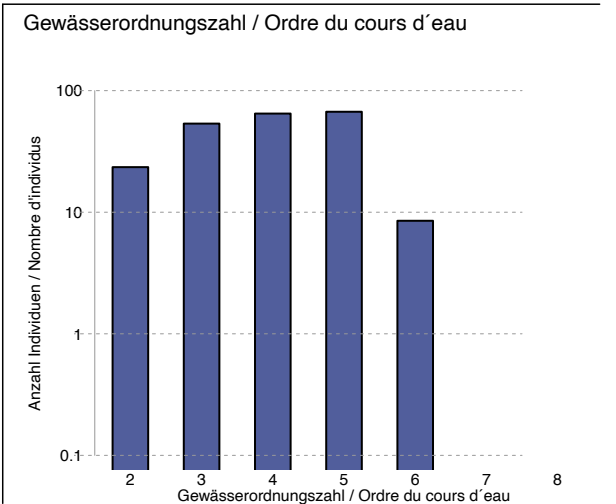
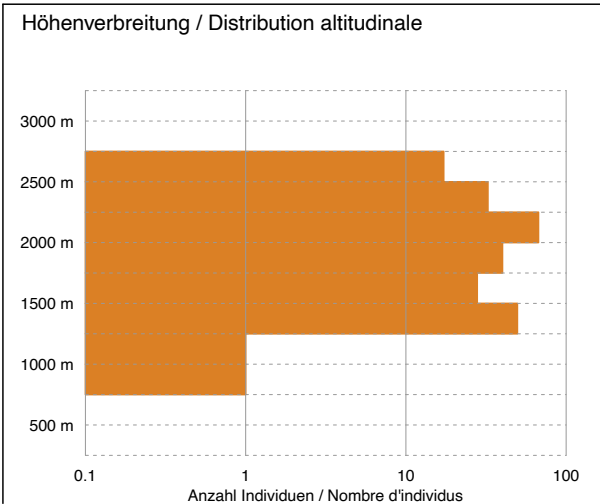
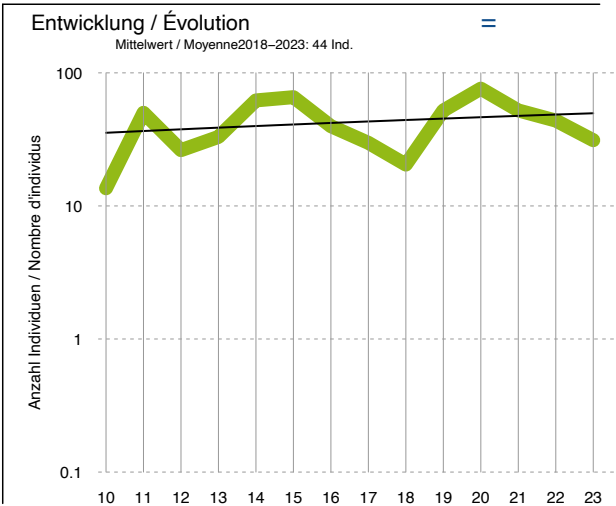
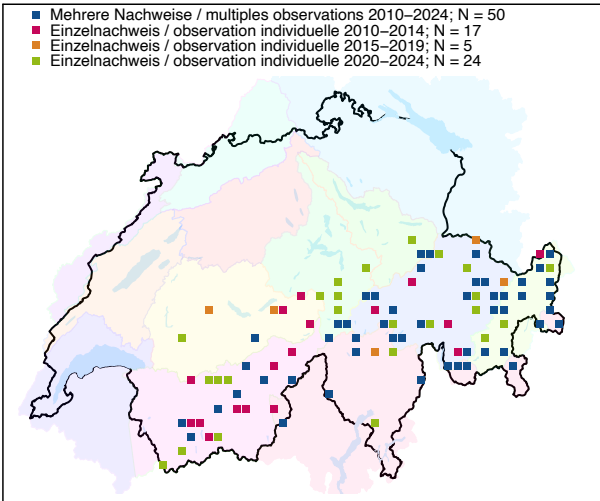
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5692 *Protonemura brevistyla*

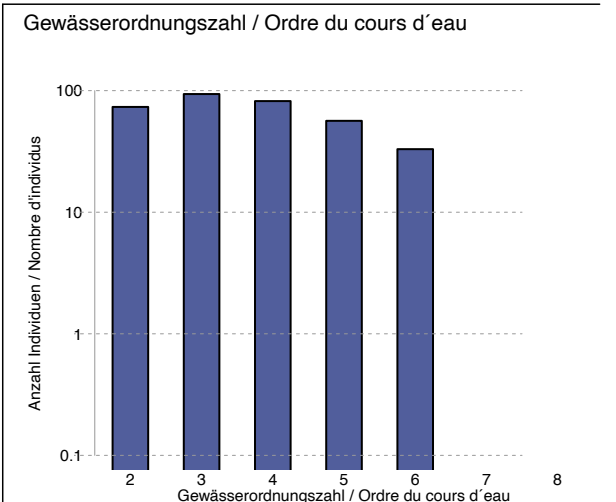
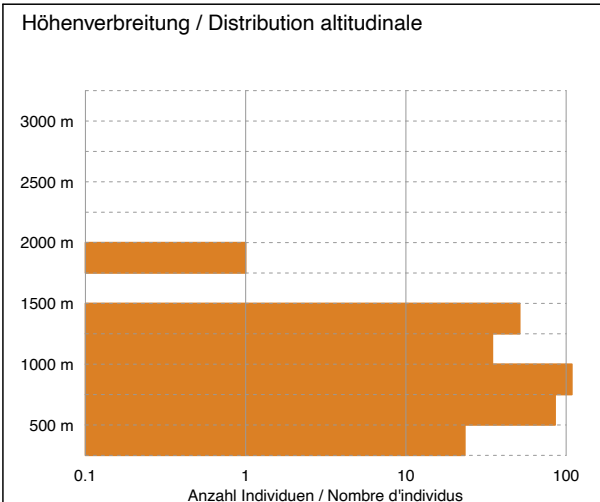
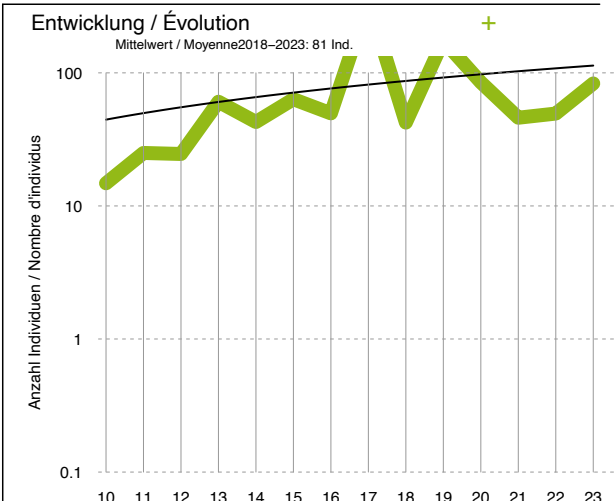
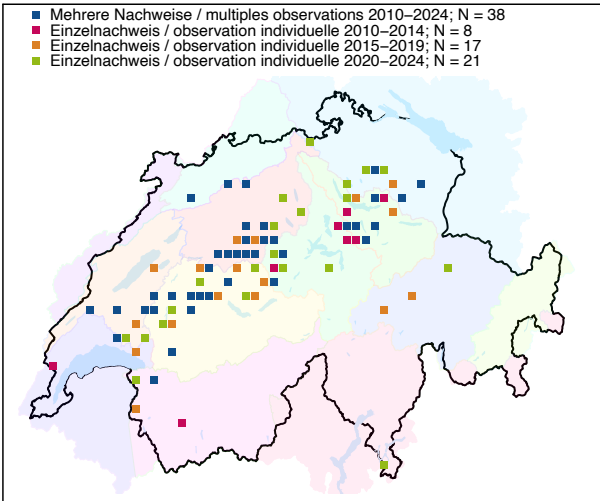
Nemouridae

Status (RL / Prio):	LC / –
Indikatorgruppe:	5



5693 *Protonemura intricata*
Nemouridae

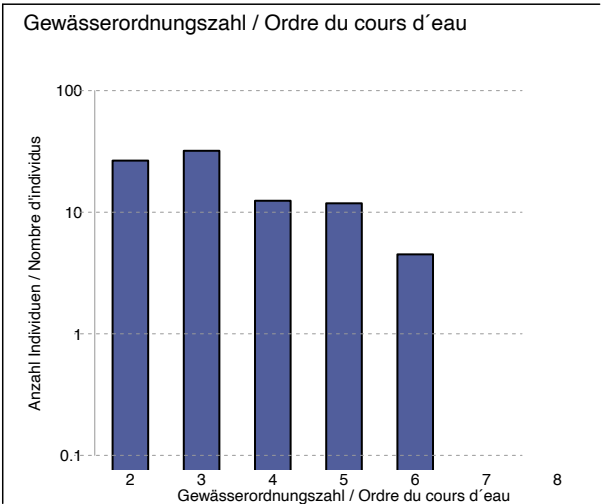
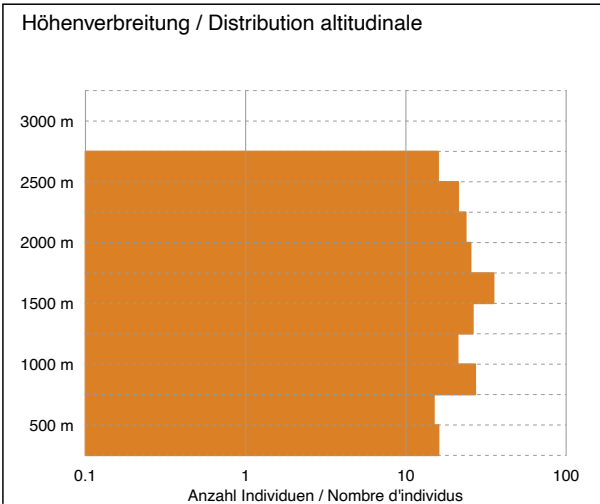
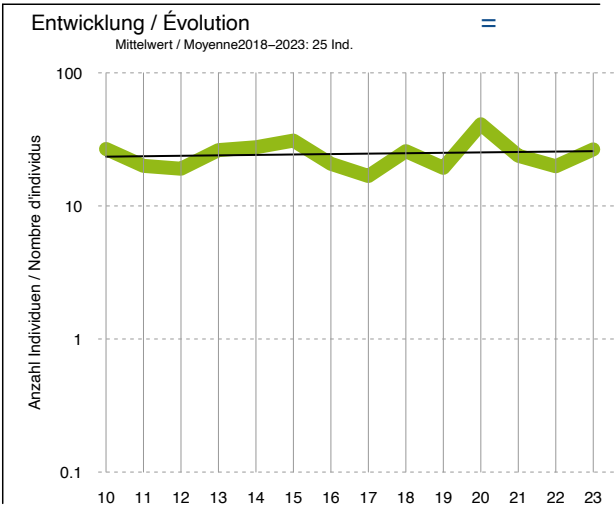
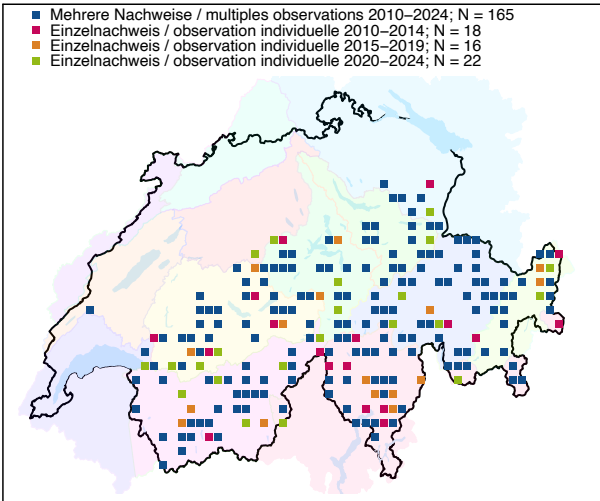
Status (RL / Prio):	LC / –
Indikatorgruppe:	5



5694 *Protonemura lateralis*

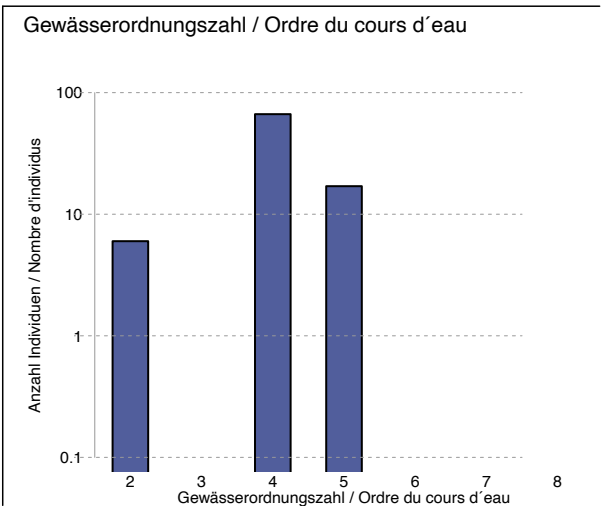
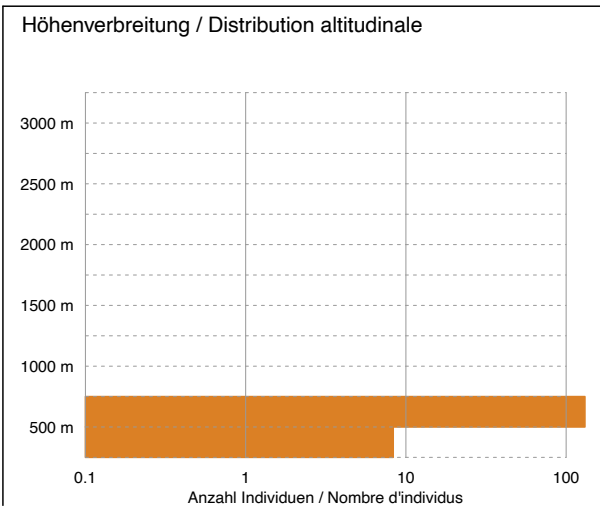
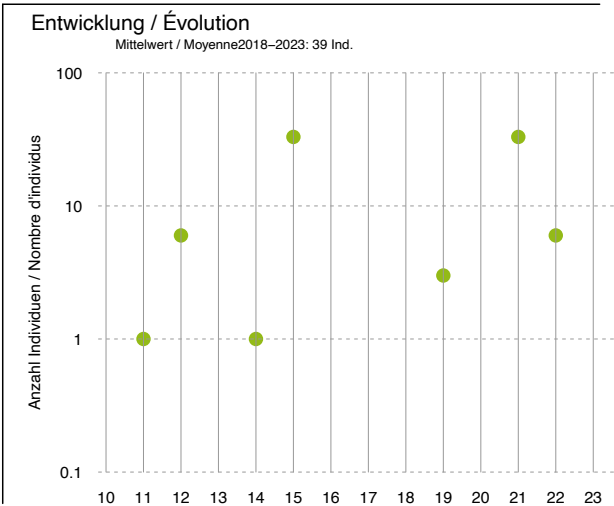
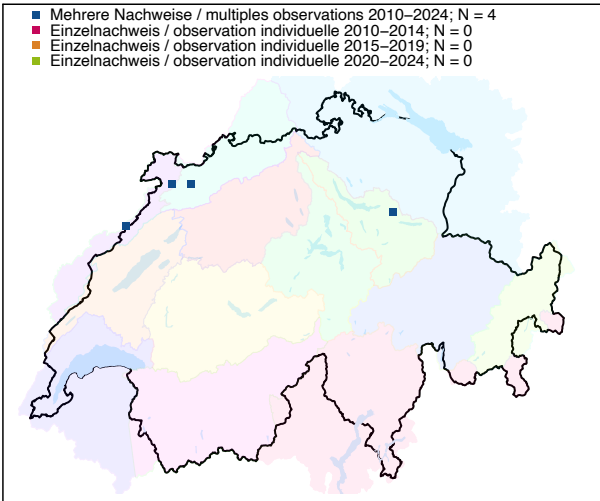
Nemouridae

Status (RL / Prio):	LC / –
Indikatorgruppe:	5



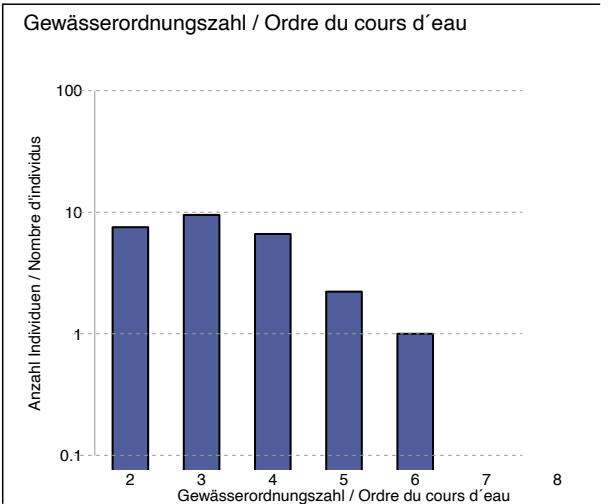
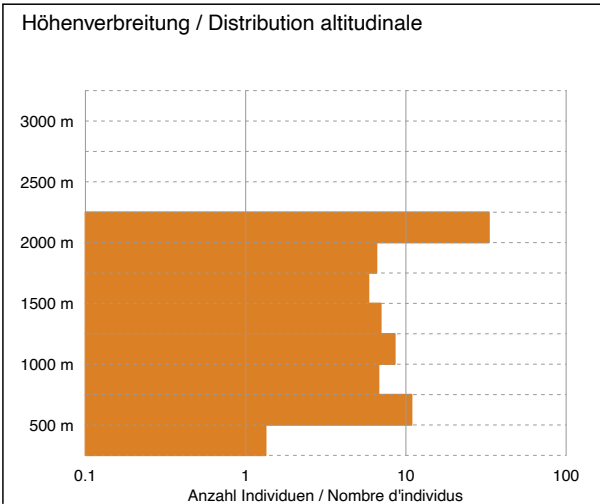
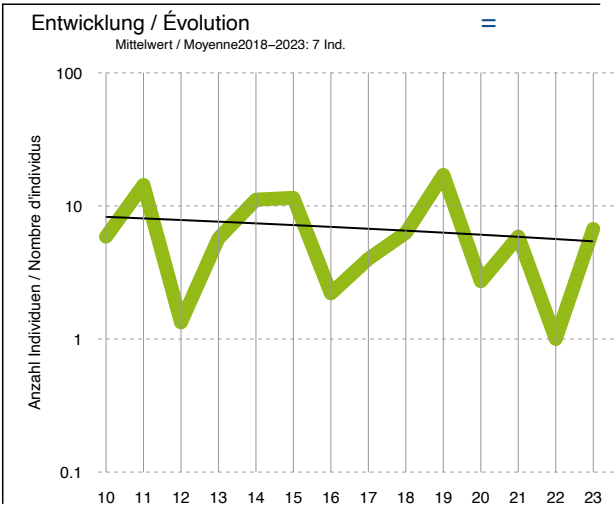
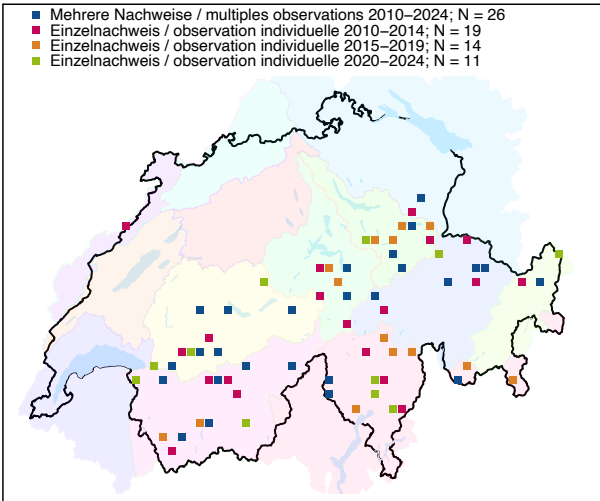
5695 *Protonemura meyeri*
Nemouridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



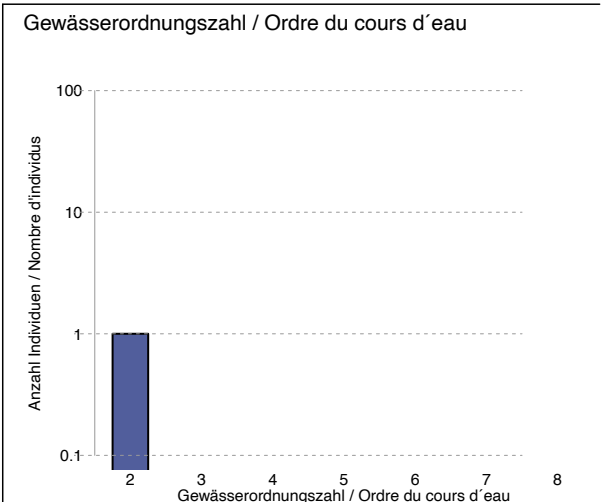
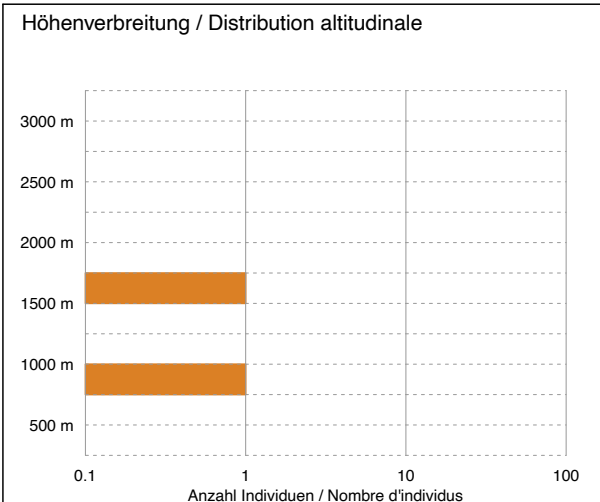
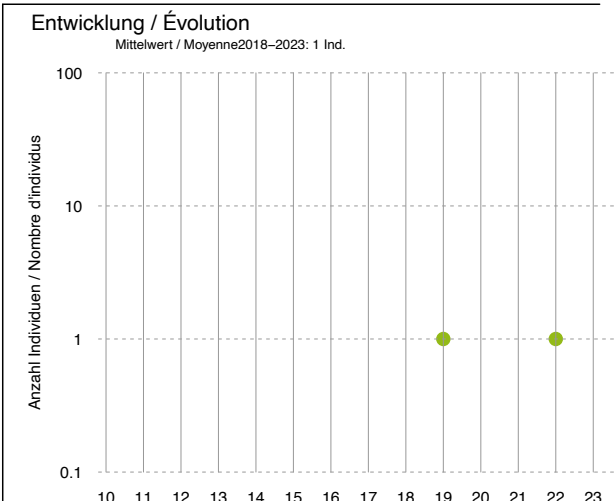
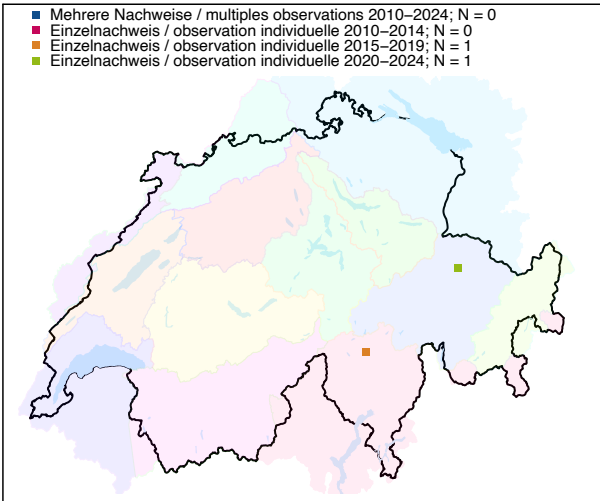
5697 *Protonemura nimborum*
Nemouridae

Status (RL / Prio):	LC / –
Indikatorgruppe:	5



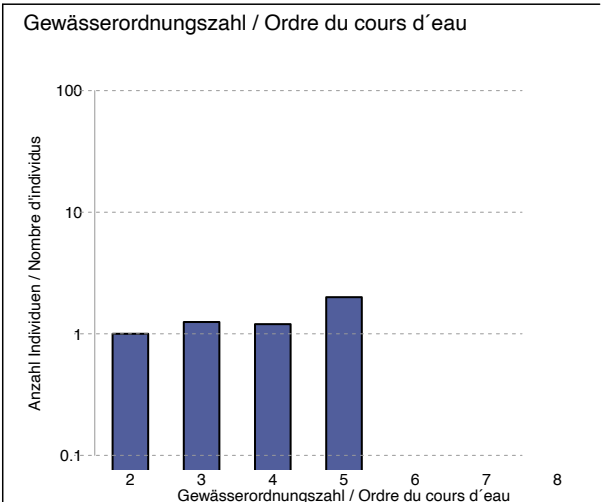
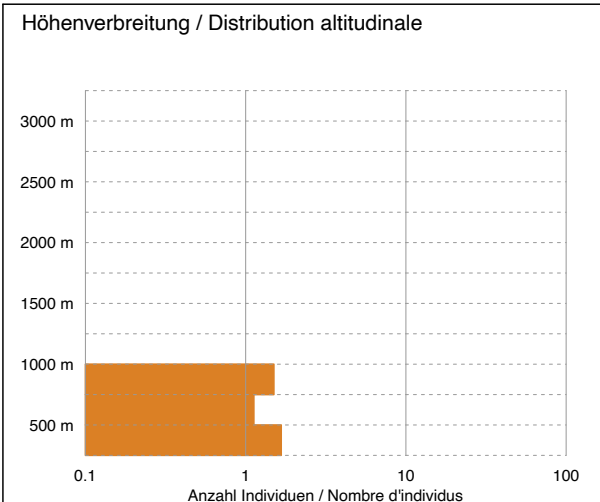
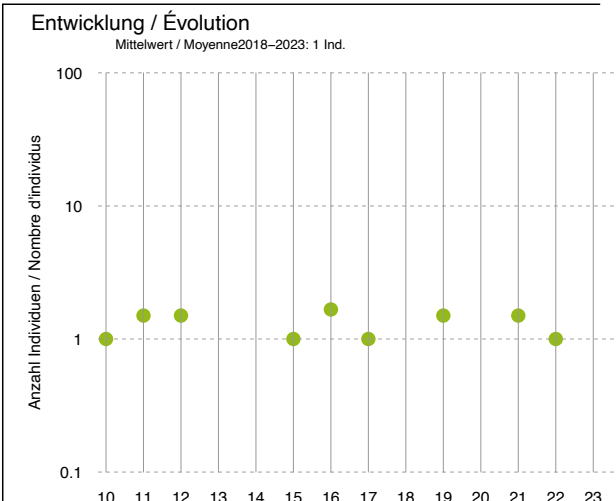
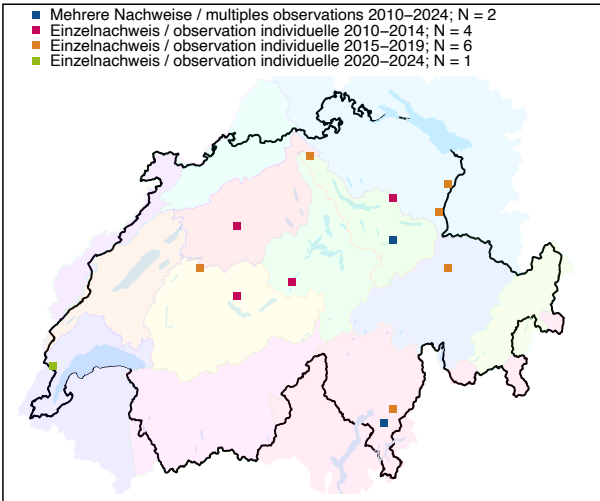
5698 *Protonemura nitida*
Nemouridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



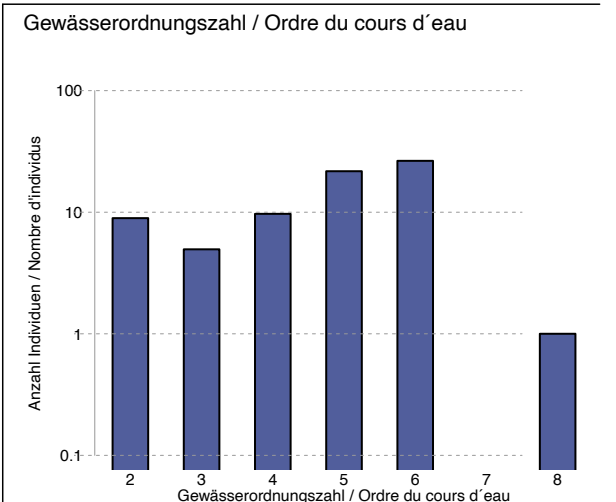
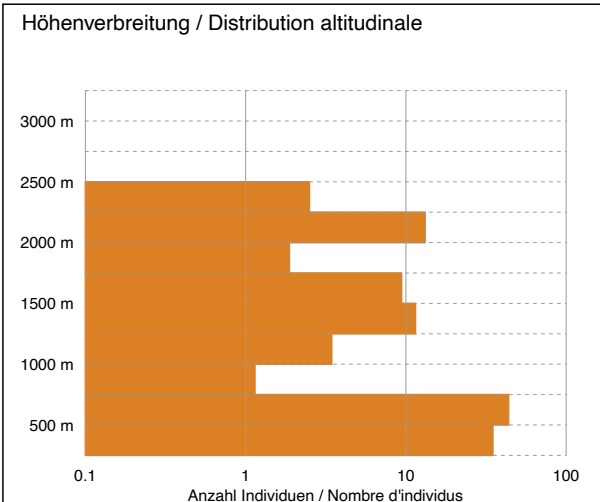
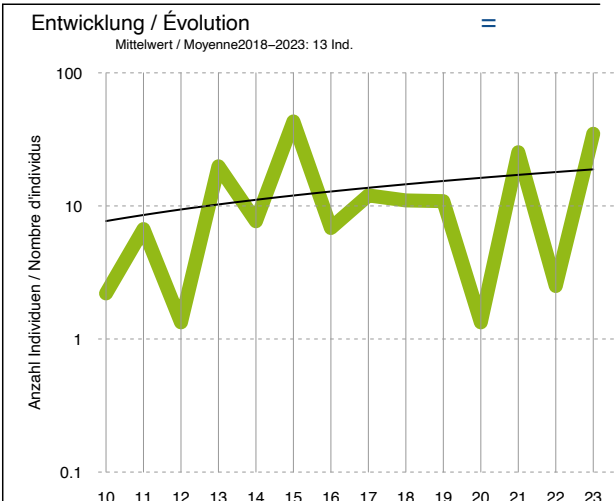
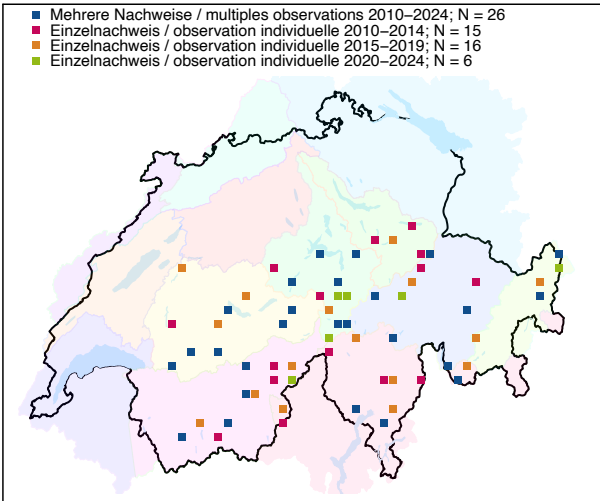
5699 *Protonemura praecox* Nemouridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



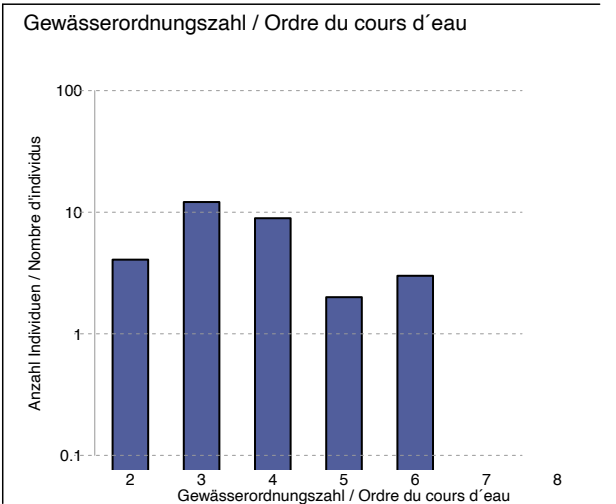
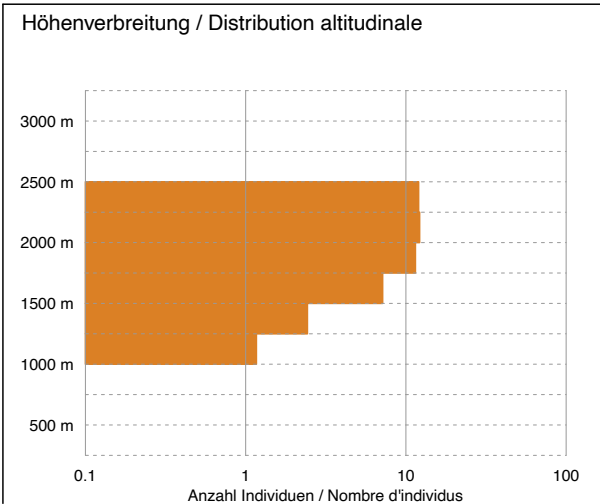
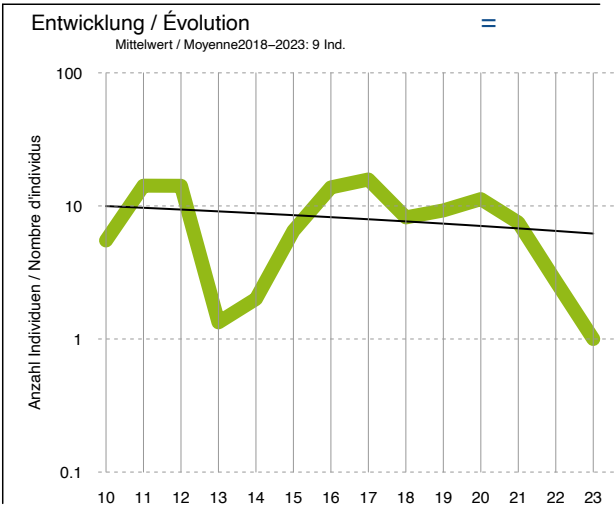
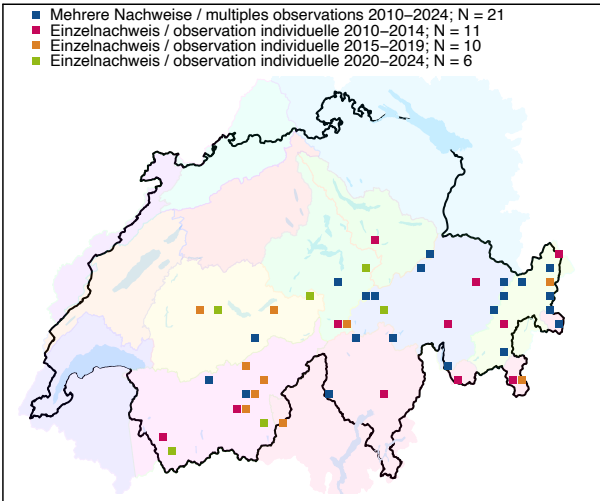
5704 *Rhabdiopteryx* –Komplex
Taeniopterygidae
alpina, harperi, neglecta

Status (RL / Prio):	– / –
Indikatorgruppe:	7



5705 *Siphonoperla montana*
Chloroperlidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



6976 *Siphonoperla torrentium*–Komplex

Chloroperlidae

italica, torrentium

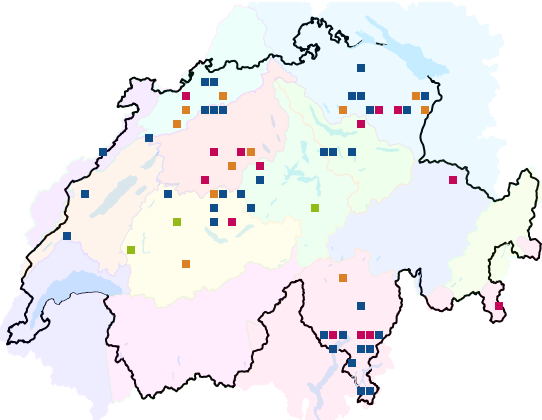
Status (RL / Prio):

– / –

Indikatorgruppe:

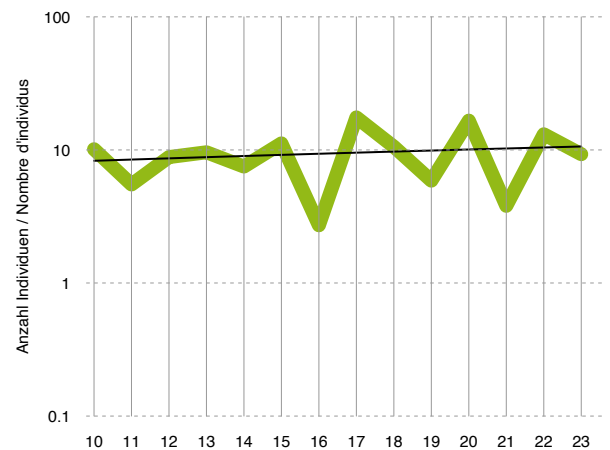
9

- Mehrere Nachweise / multiples observations 2010–2024; N = 35
- Einzelnachweis / observation individuelle 2010–2014; N = 14
- Einzelnachweis / observation individuelle 2015–2019; N = 11
- Einzelnachweis / observation individuelle 2020–2024; N = 3

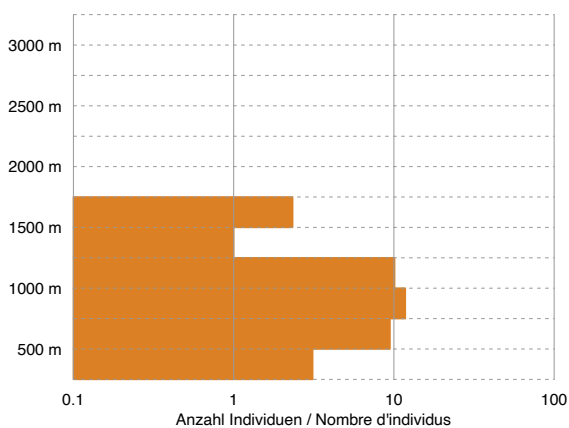


Entwicklung / Évolution

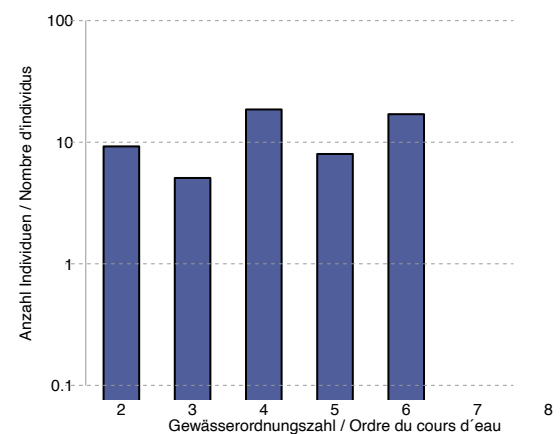
Mittelwert / Moyenne 2018–2023: 9 Ind.



Höhenverbreitung / Distribution altitudinale

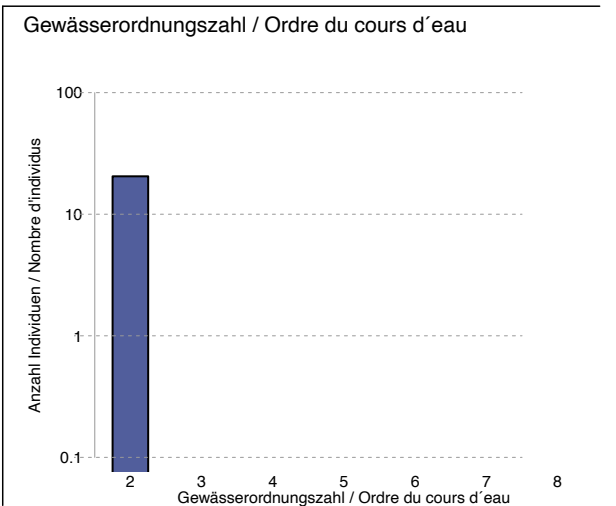
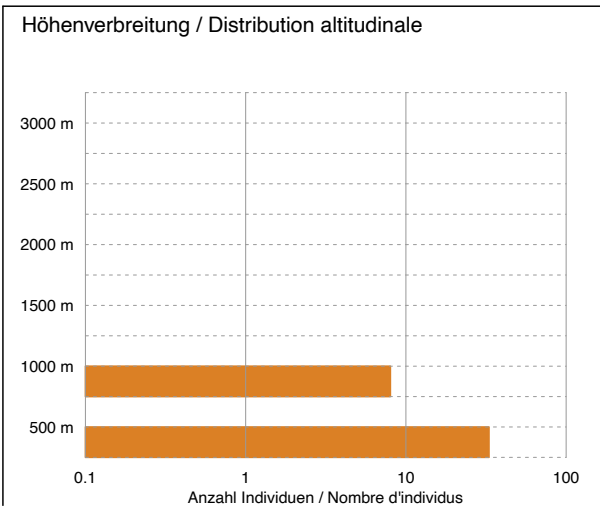
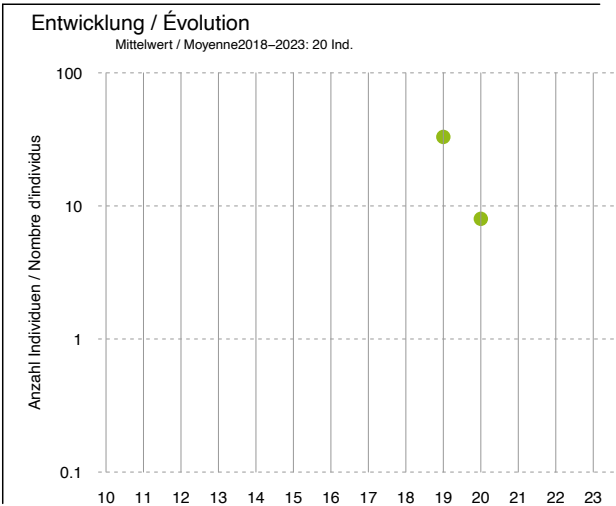
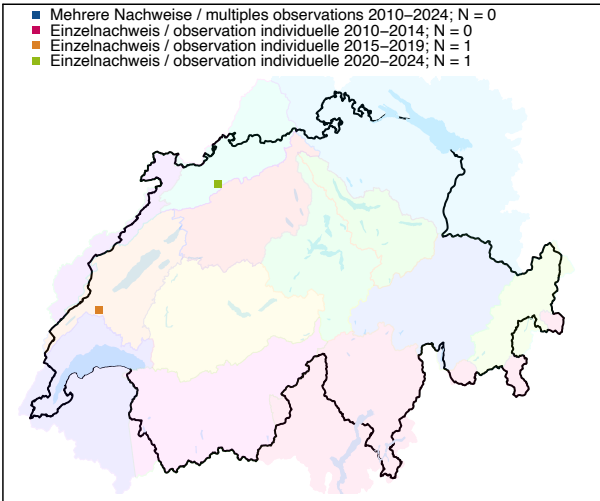


Gewässerordnungszahl / Ordre du cours d'eau



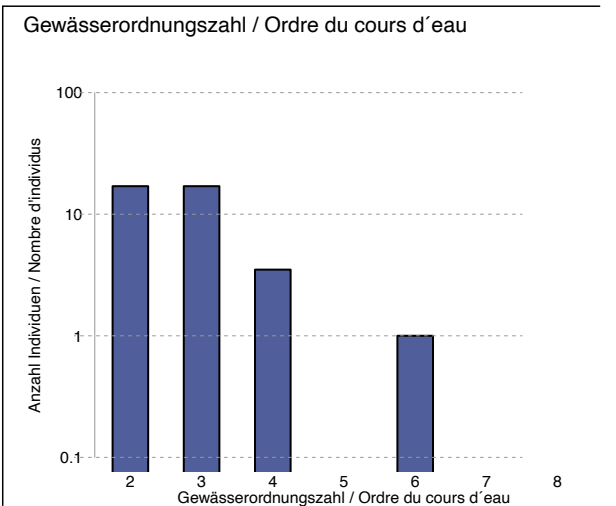
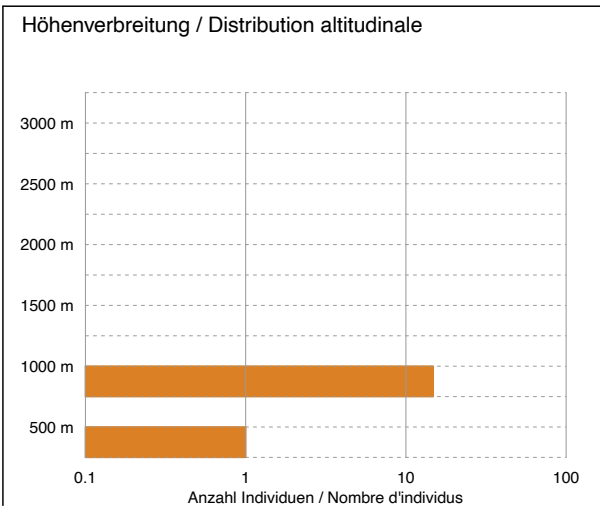
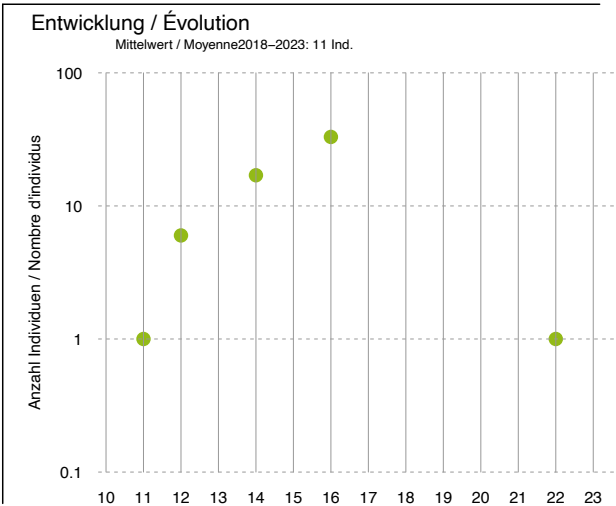
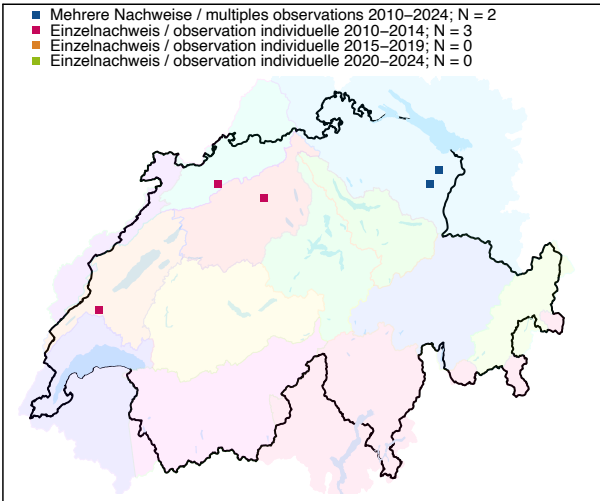
6975 Zwicknia –Komplex
Capniidae
ledoarei, rupprehti, westermanni

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5605 *Zwickyia bifrons*
Capniidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA

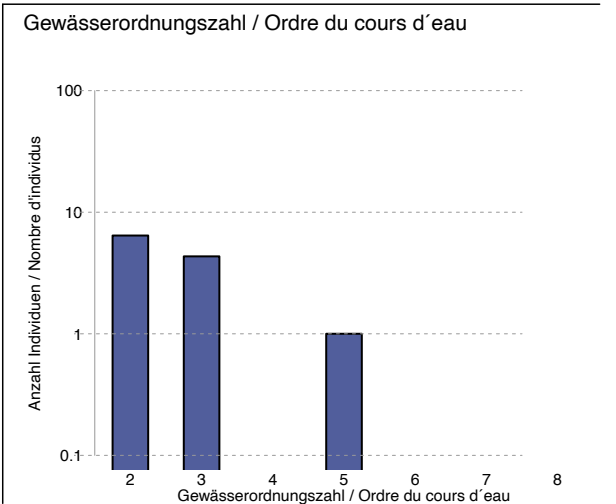
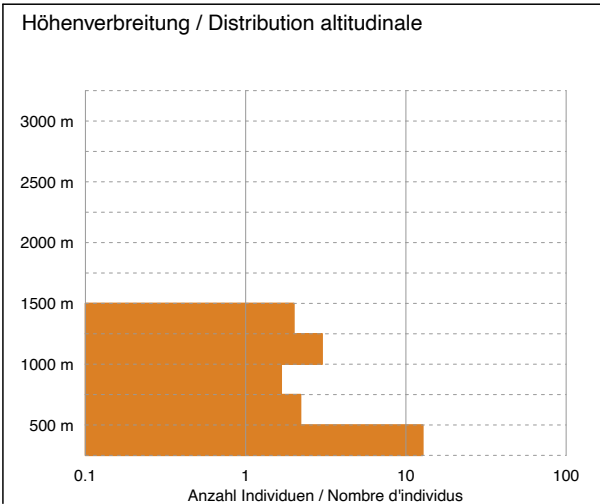
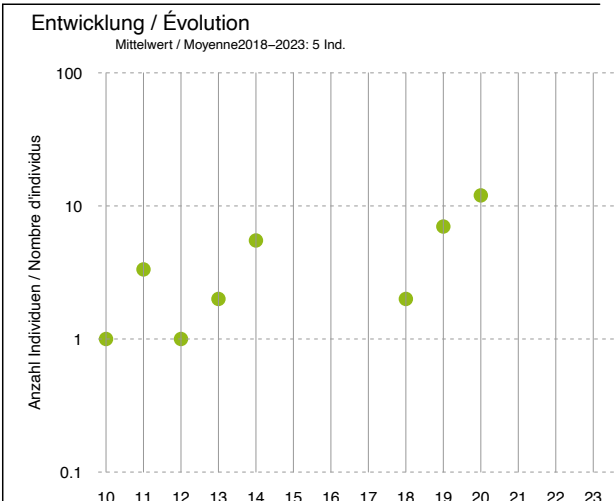
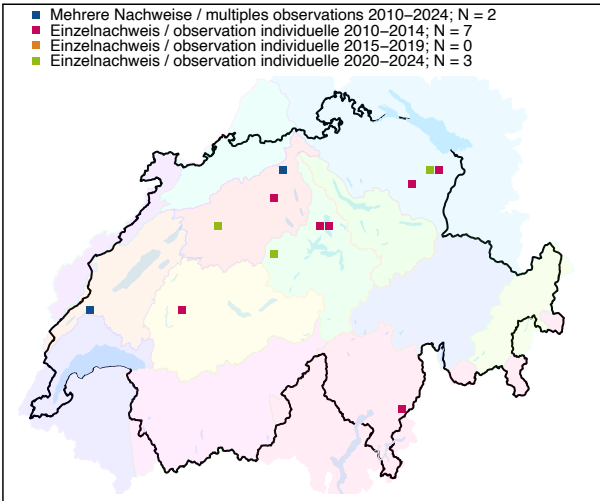




Trichoptera

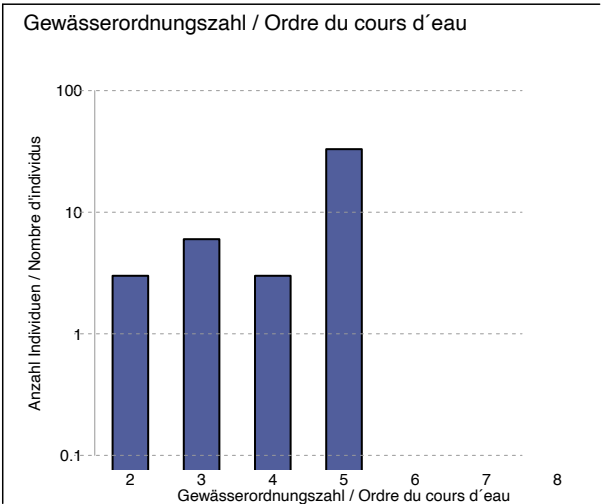
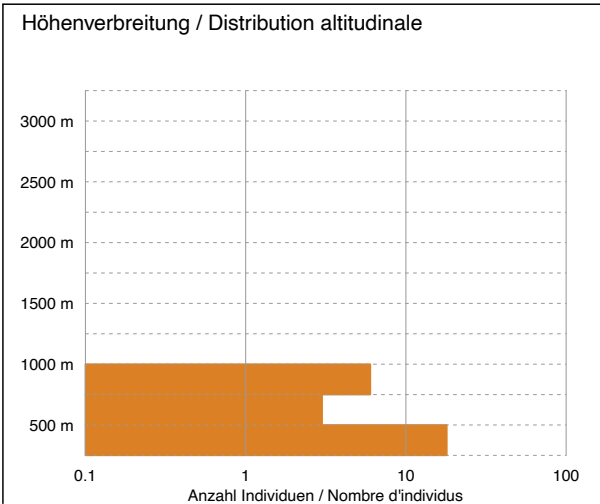
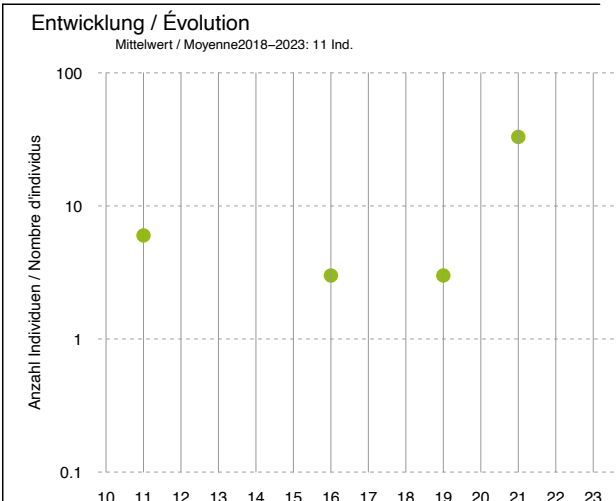
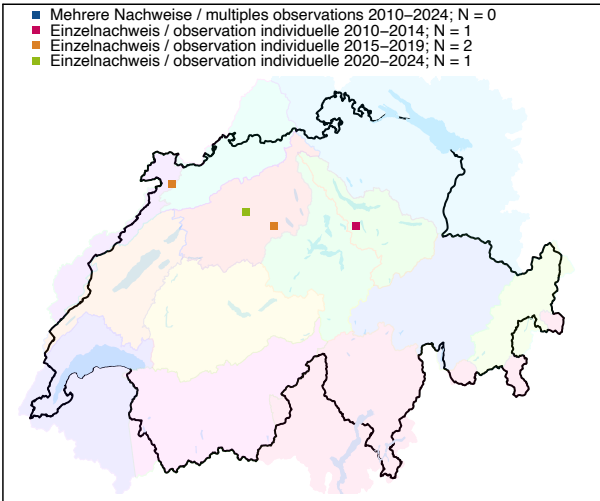
5715 *Agapetus fuscipes*
Glossosomatidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



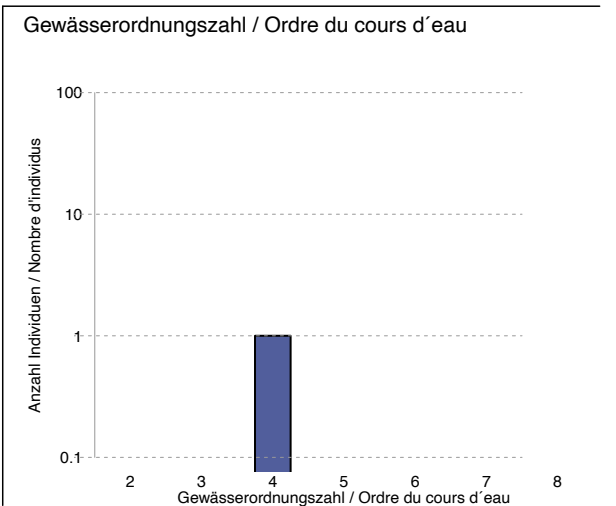
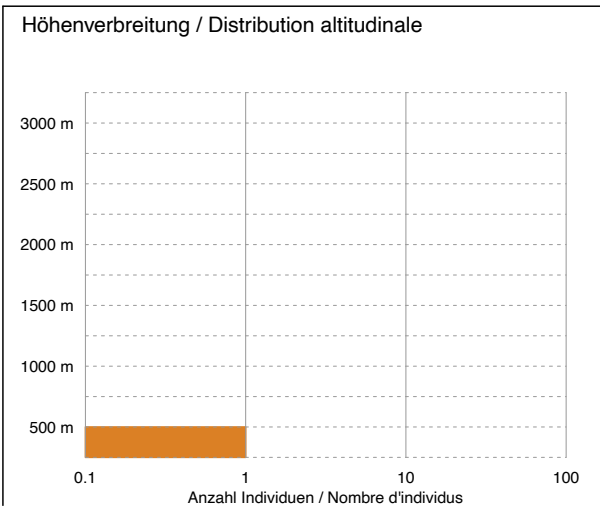
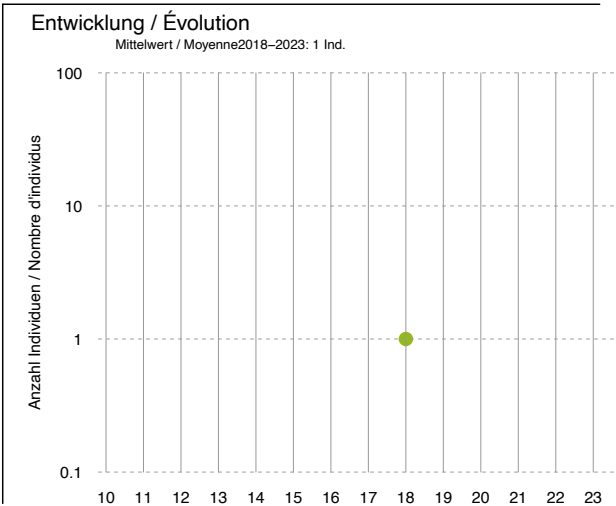
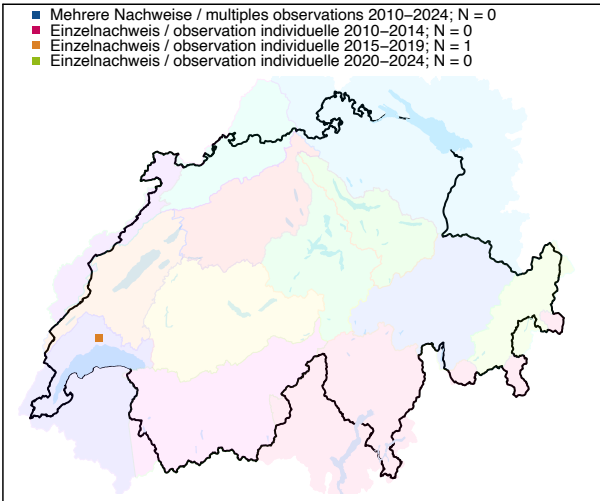
5718 *Agapetus ochripes*
Glossosomatidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5744 *Athripsodes albifrons*
Leptoceridae

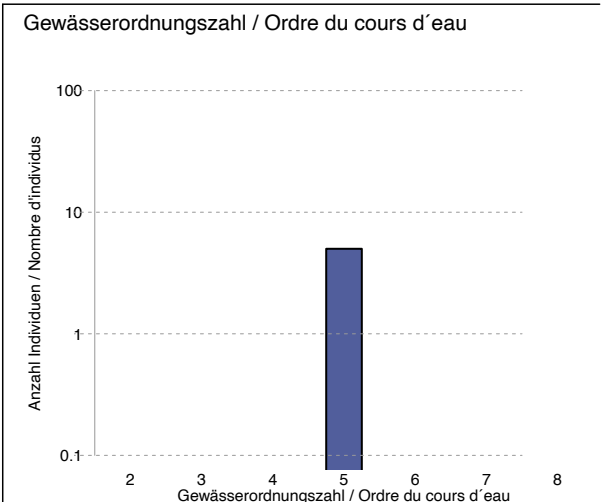
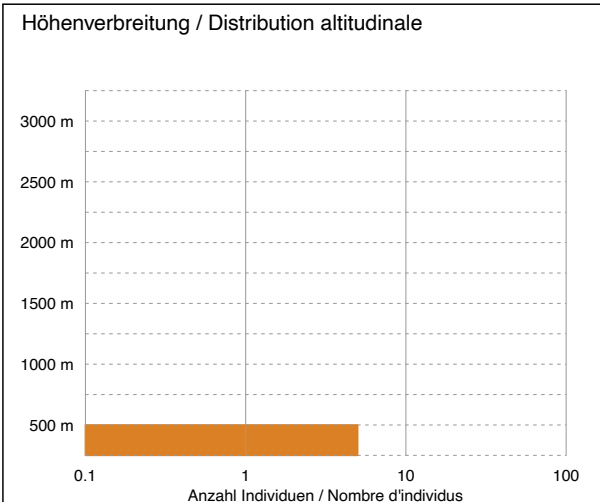
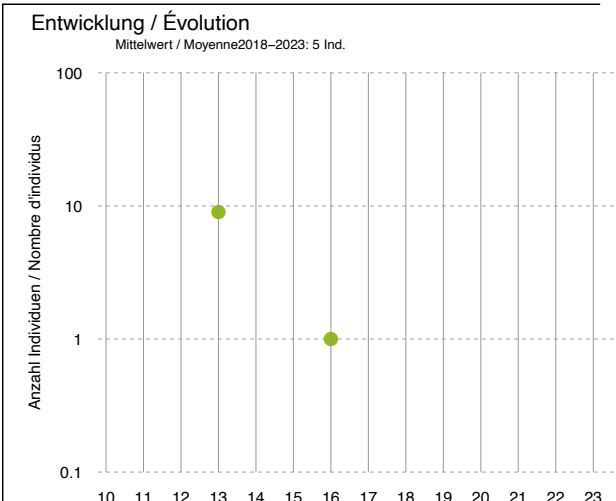
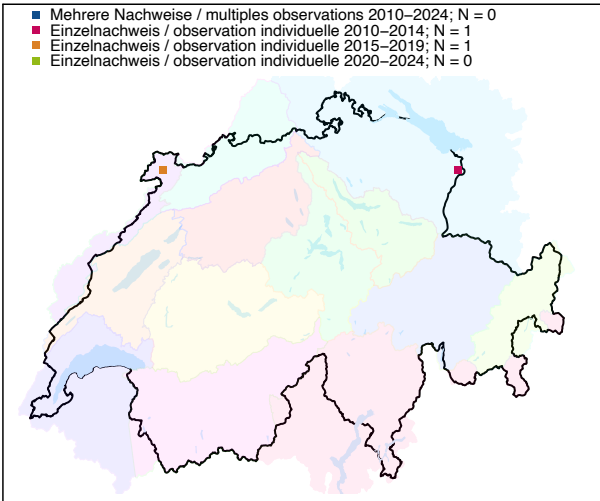
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5746 Athripsodes bilineatus

Leptoceridae

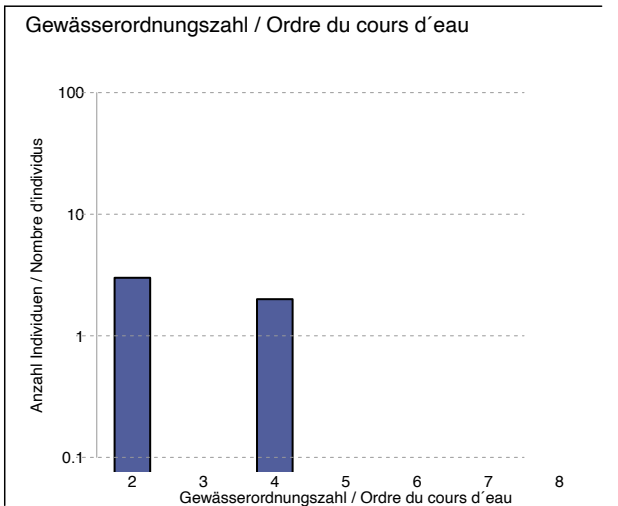
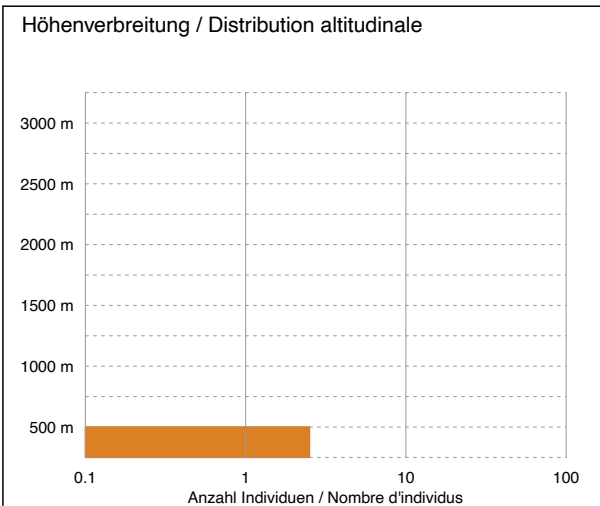
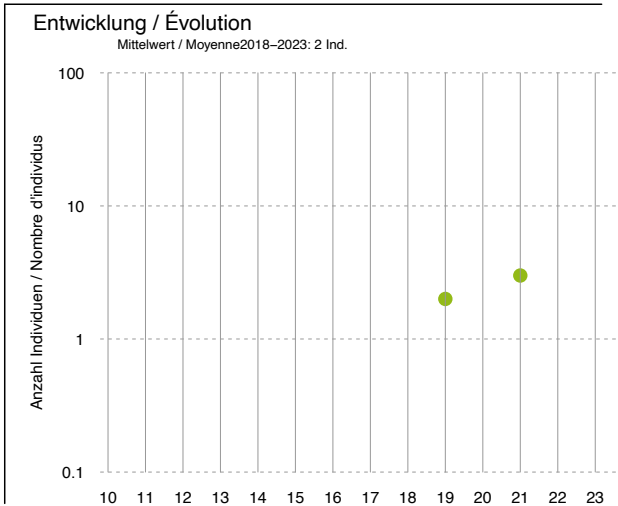
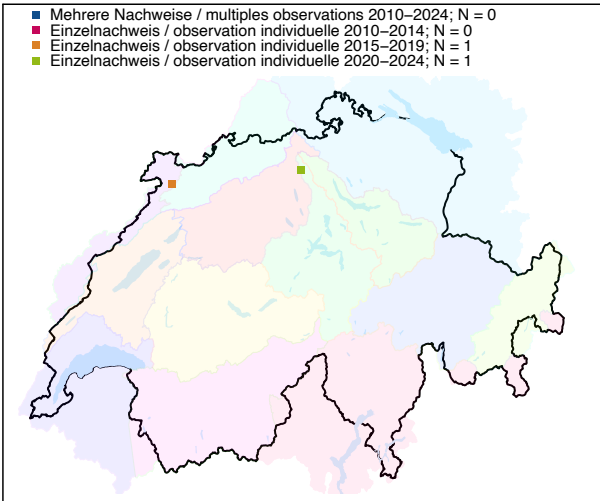
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5747 *Athripsodes cinereus*
Leptoceridae

Status (RL / Prio): - / -

Indikatorgruppe: NA



5750 *Beraea maurus*

Beraeidae

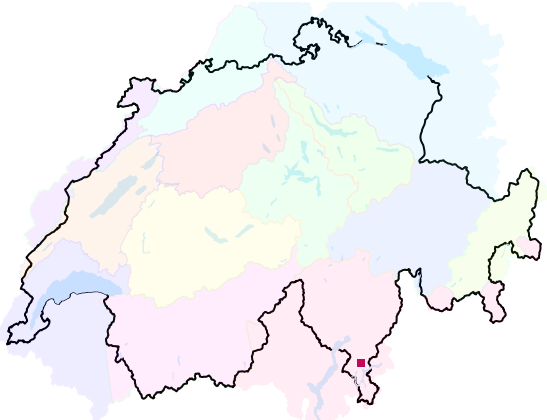
Status (RL / Prio):

- / -

Indikatorgruppe:

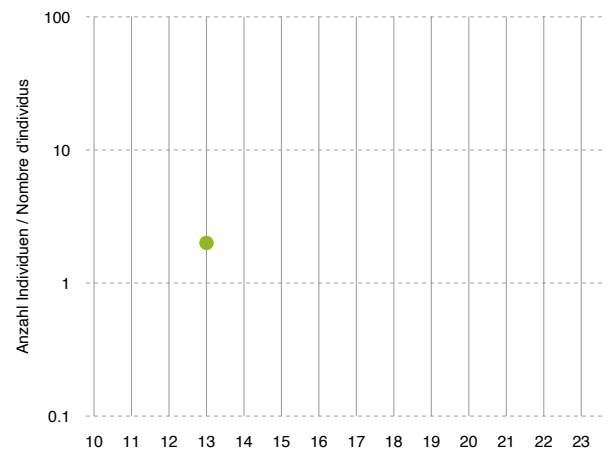
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 1
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 0

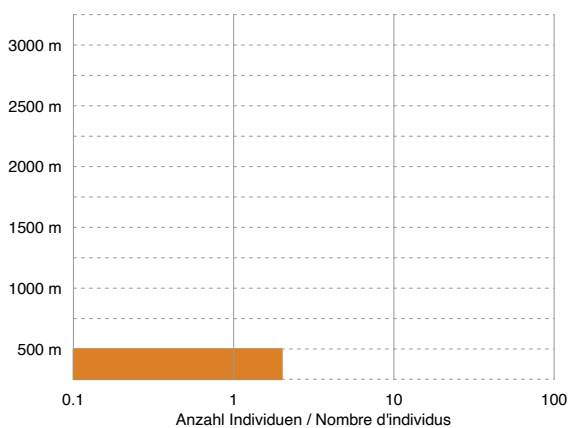


Entwicklung / Évolution

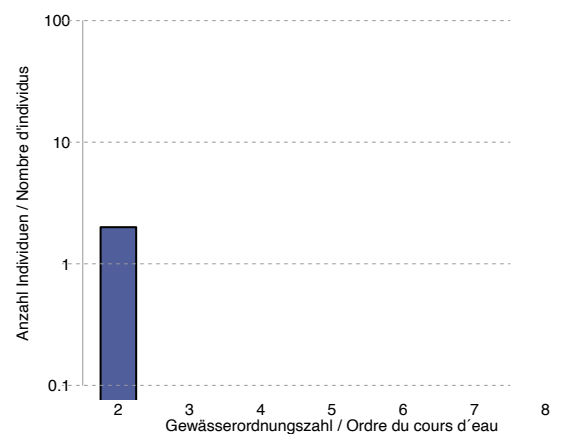
Mittelwert / Moyenne 2018–2023: 2 Ind.



Höhenverbreitung / Distribution altitudinale

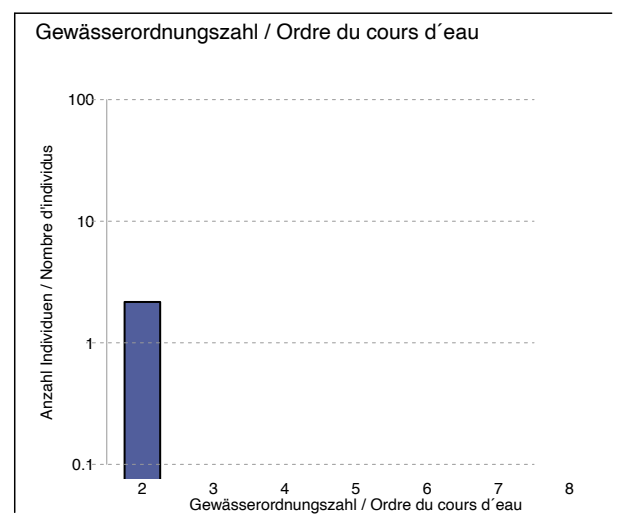
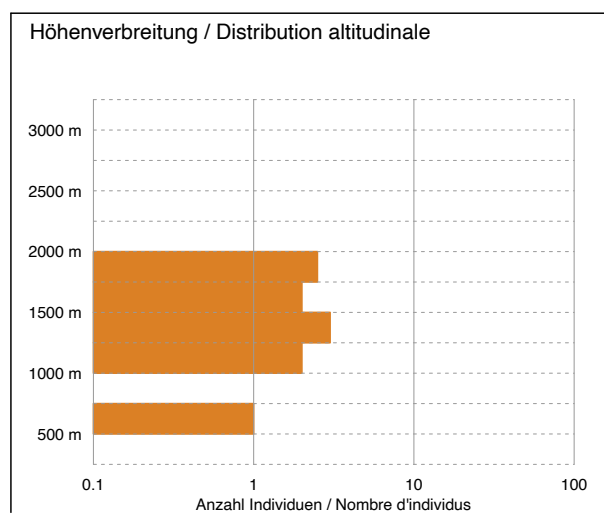
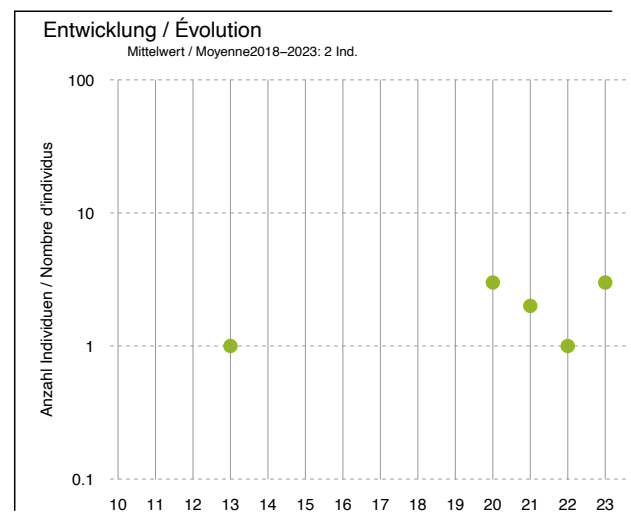
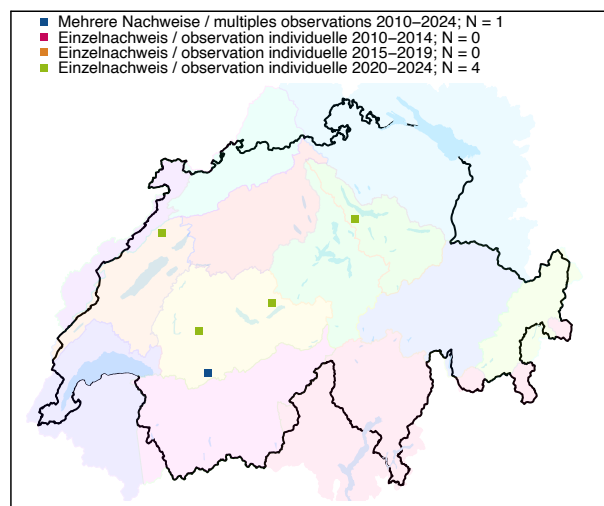


Gewässerordnungszahl / Ordre du cours d'eau



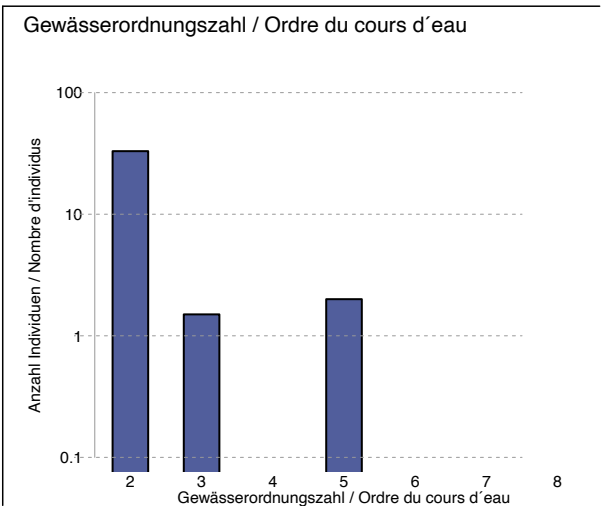
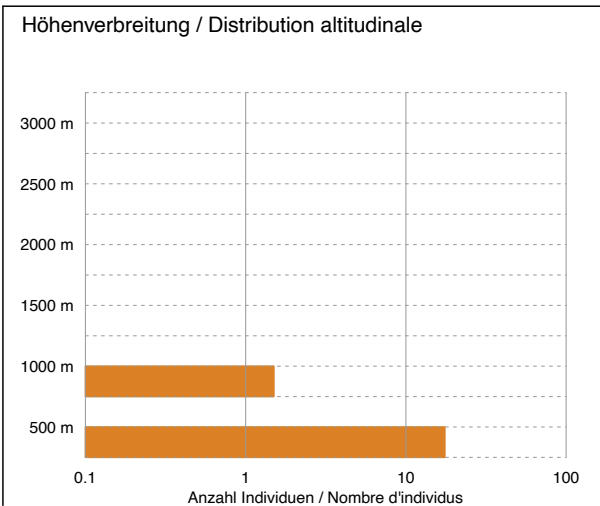
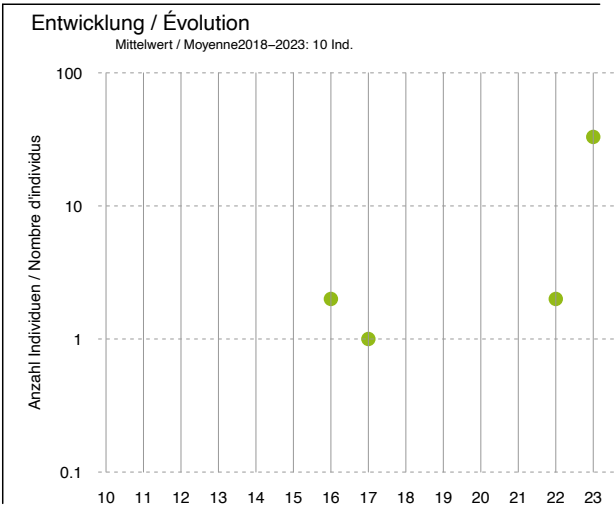
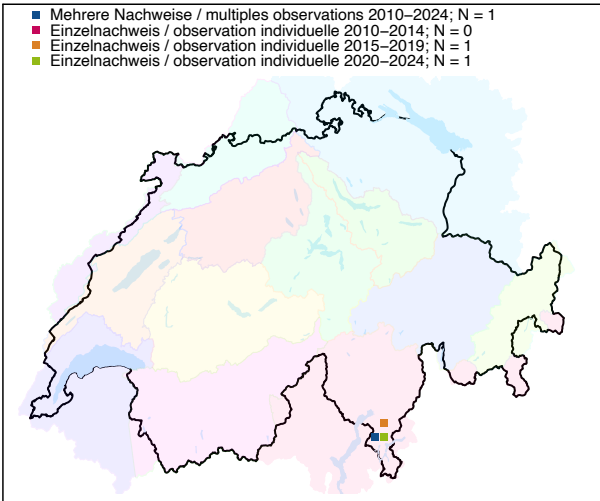
5751 *Beraea pullata* Beraeidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5752 *Beraeamyia squamosa*
Beraeidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5756 *Brachycentrus subnubilus*
Brachycentridae

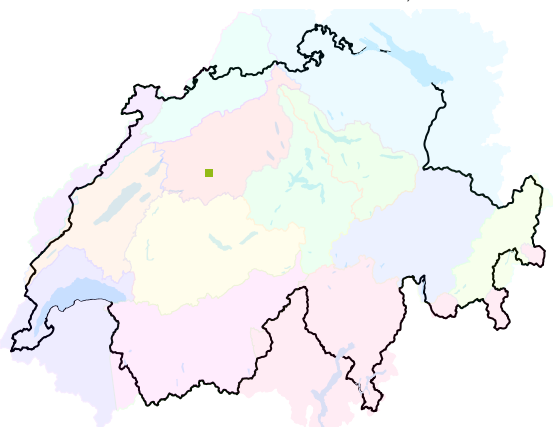
Status (RL / Prio):

- / -

Indikatorgruppe:

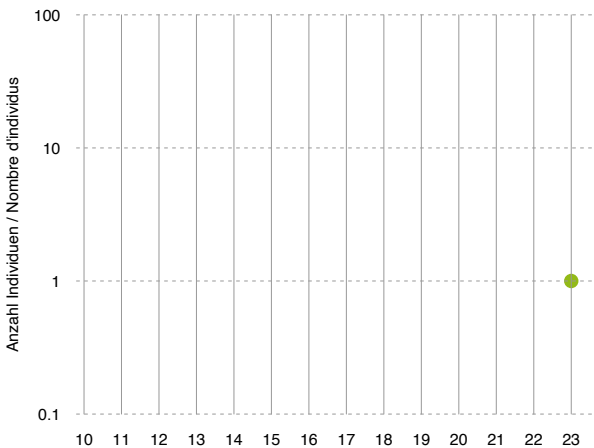
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 1

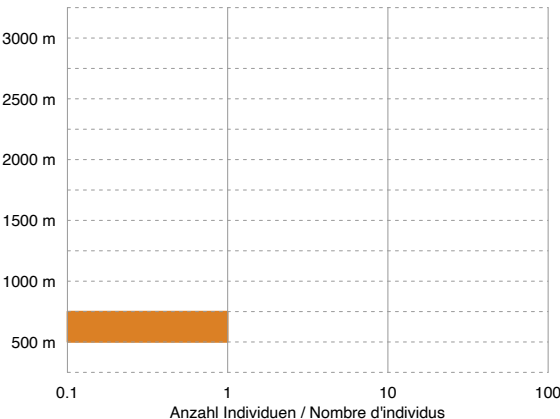


Entwicklung / Évolution

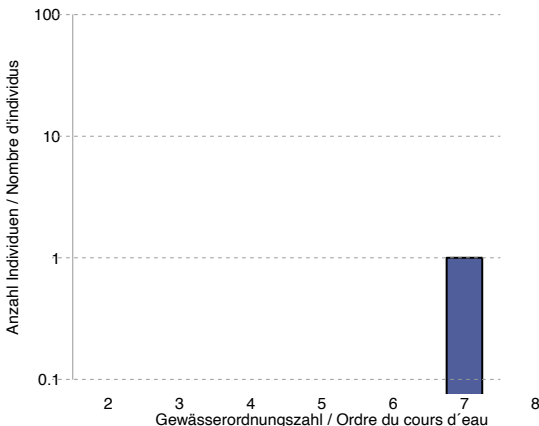
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale

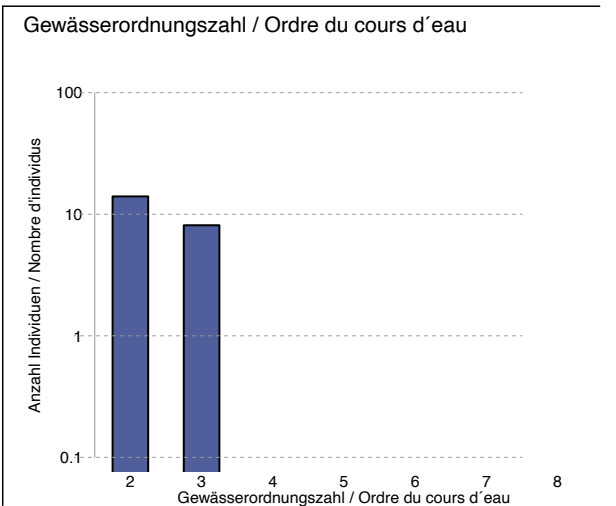
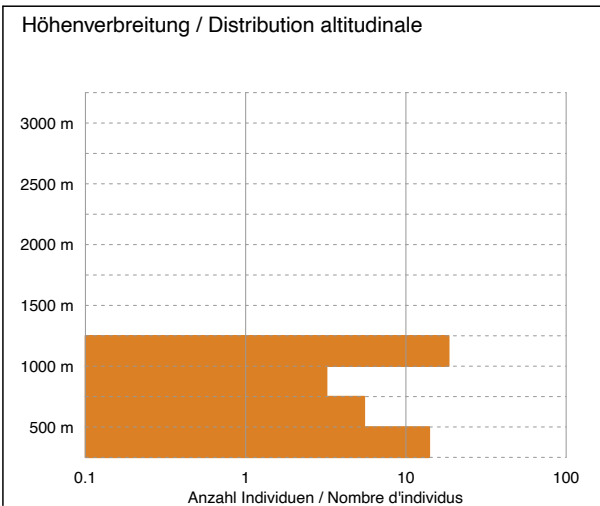
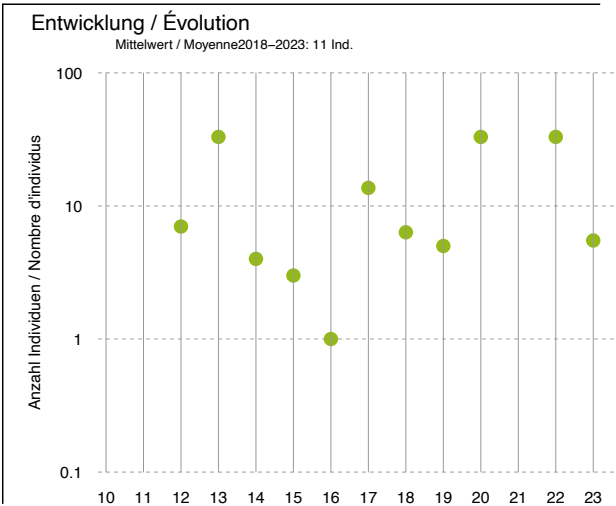
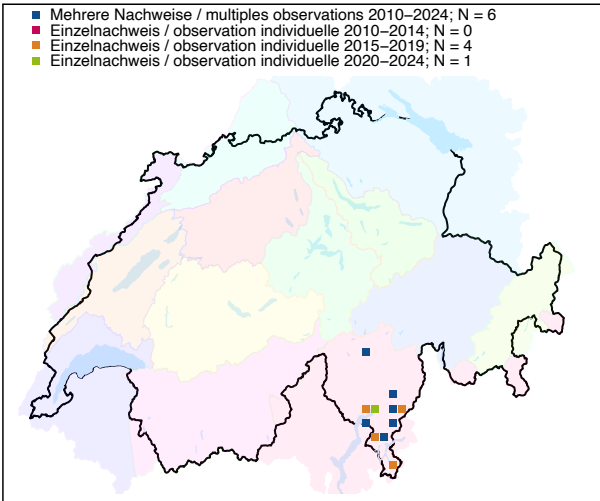


Gewässerordnungszahl / Ordre du cours d'eau



5757 *Catagapetus nigrans*
Glossosomatidae

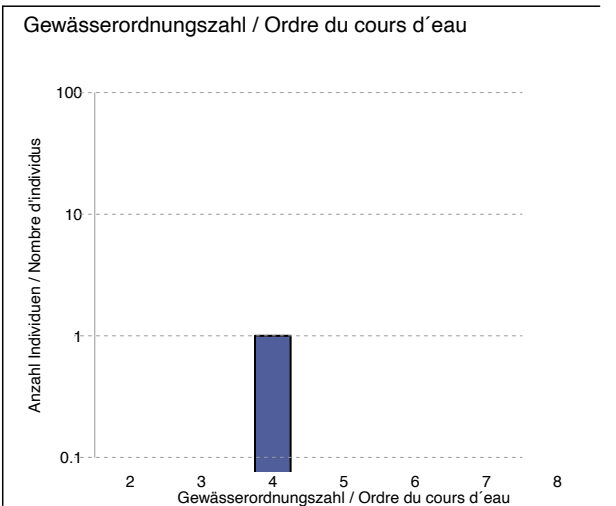
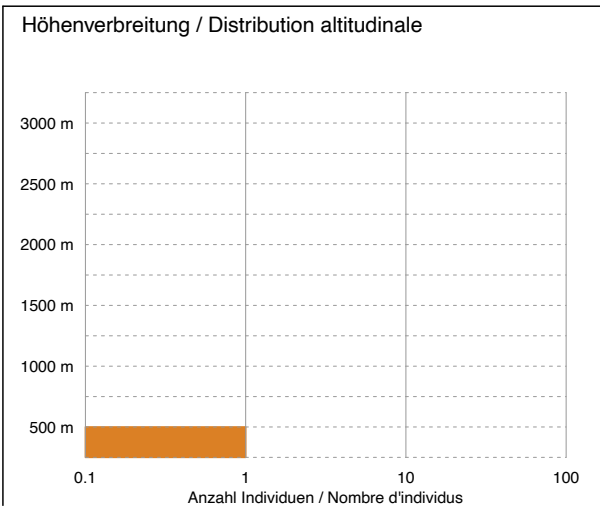
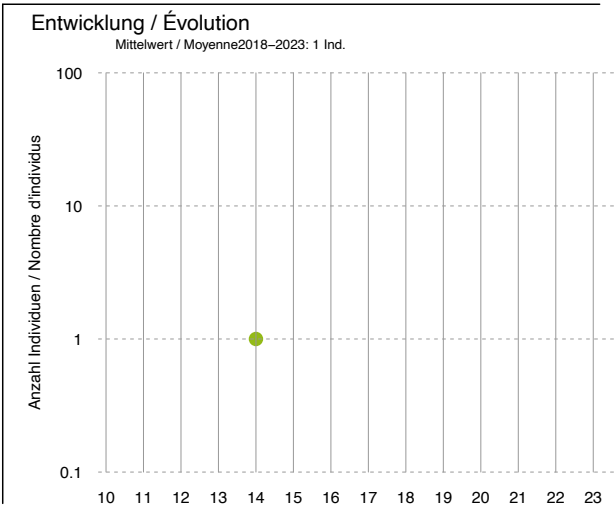
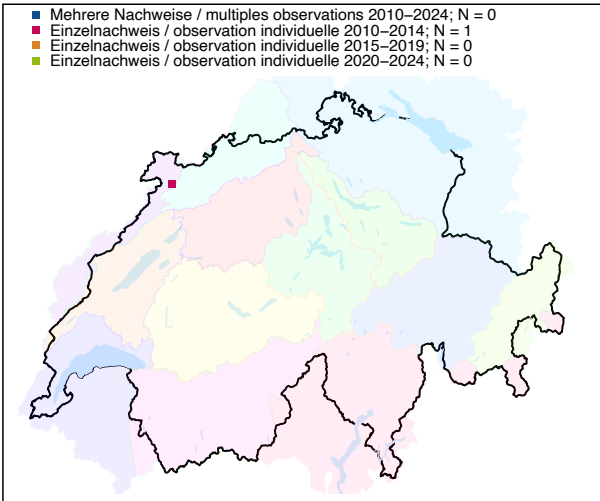
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5759 *Ceraclea annulicornis*
Leptoceridae

Status (RL / Prio): - / -

Indikatorgruppe: NA



5761 *Ceraclea dissimilis* *Leptoceridae*

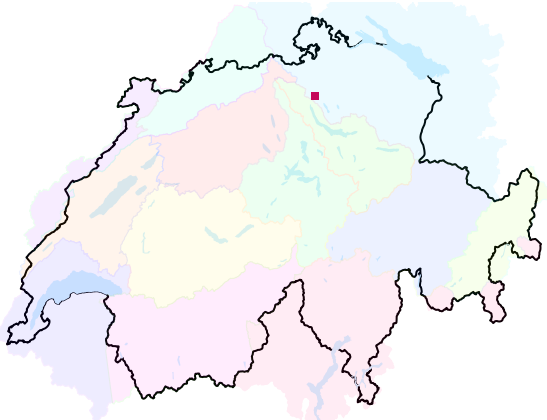
Status (RL / Prio):

– / –

Indikatorgruppe:

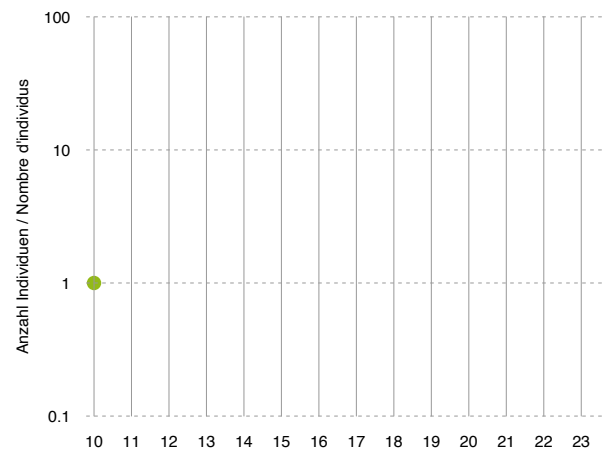
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 1
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 0

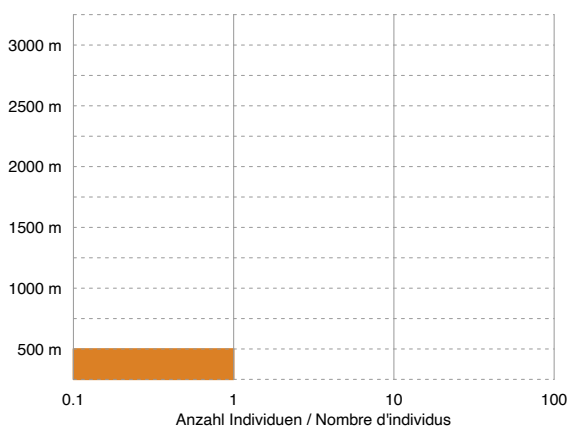


Entwicklung / Évolution

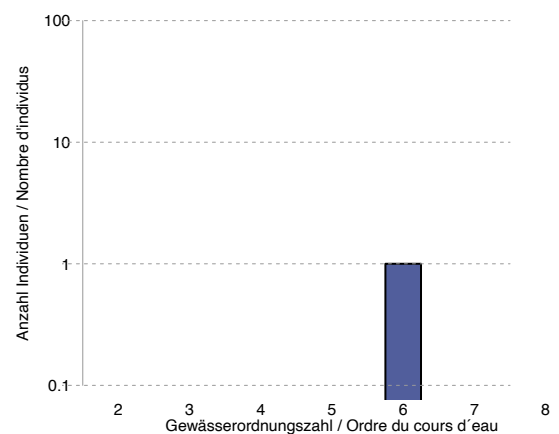
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale



Gewässerordnungszahl / Ordre du cours d'eau

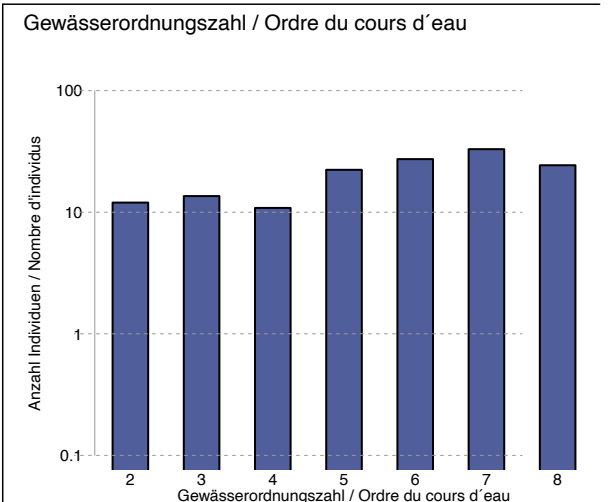
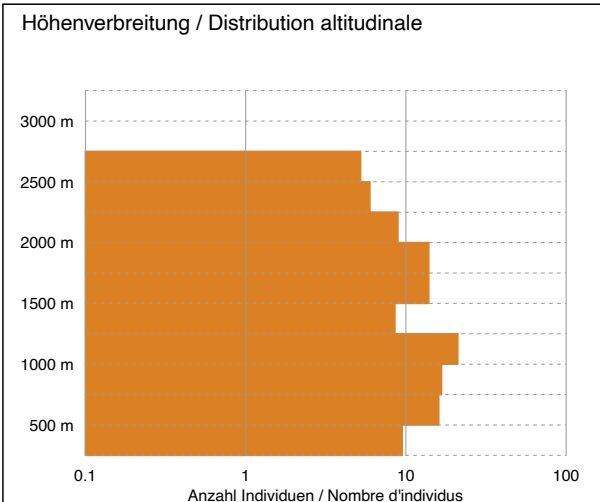
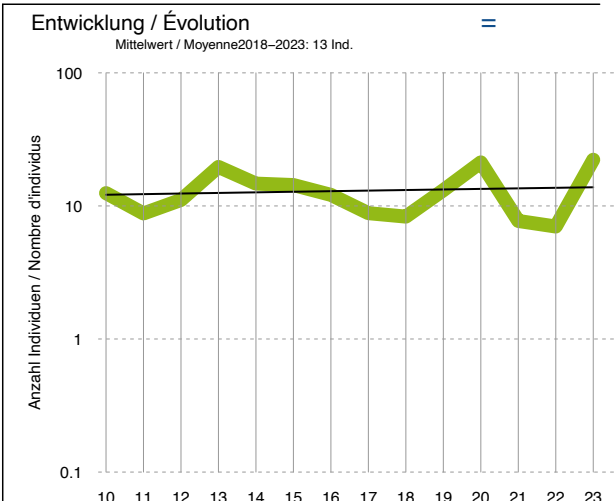
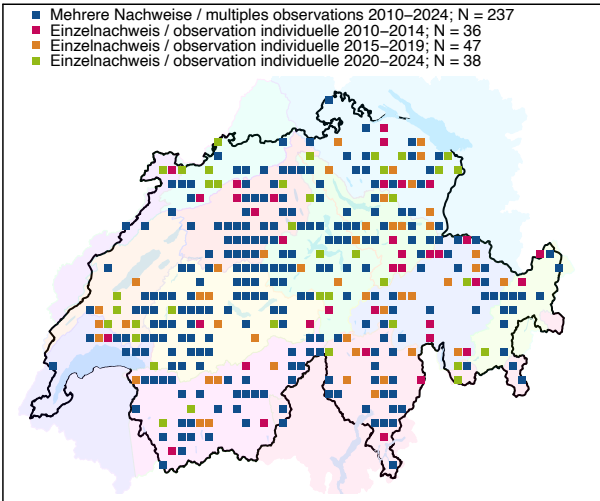


5767 Chaetopt. & Stenoph. –Komplex Gruppe Auricollis

Limnephilidae

antennatus, auricollis, consors, hilaris
maclachlani, major, melampus, mendax
obscurata, rubricollis, ucenorum, uncatus
villosa, zimmeri

Status (RL / Prio):	- / -
Indikatorgruppe:	3

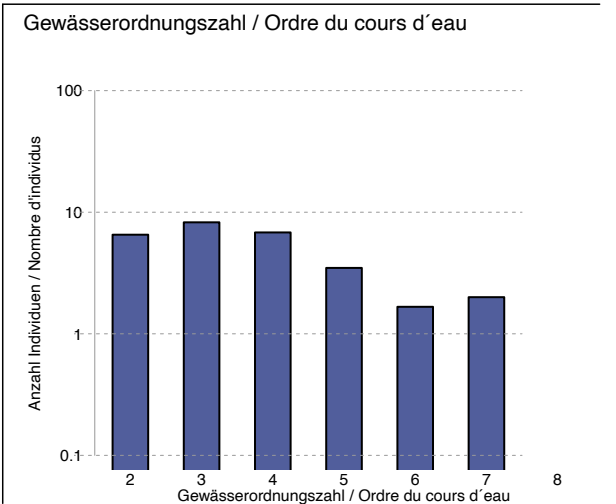
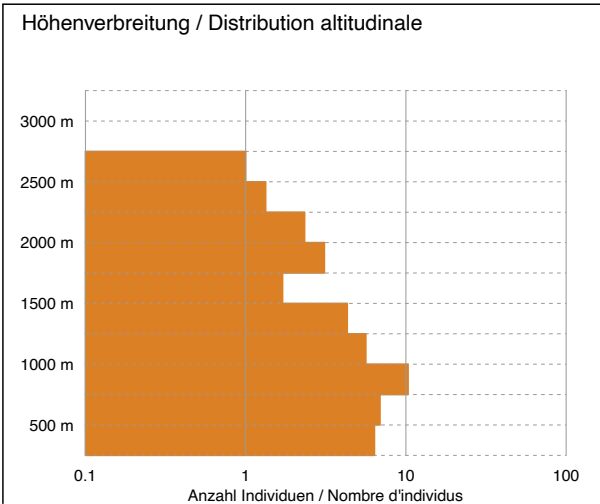
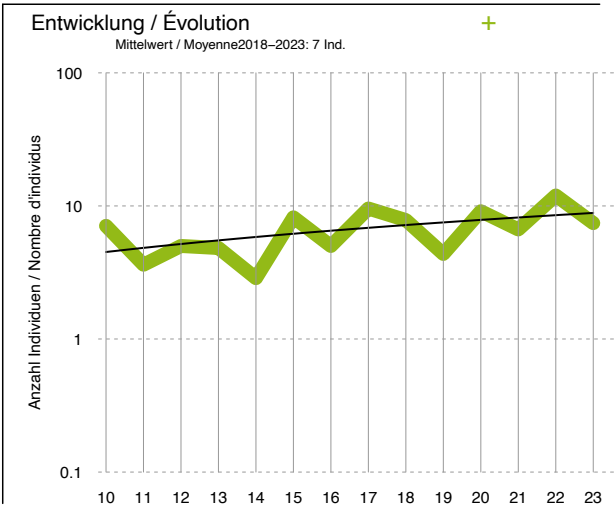
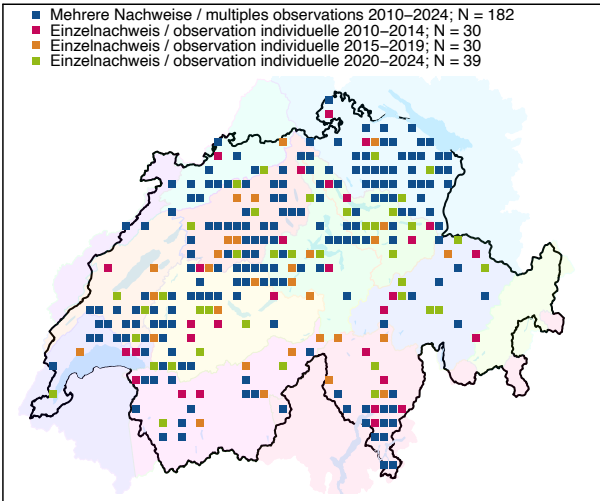


5768 Chaetopt. & Stenoph. –Komplex Gruppe Cingulatus

Limnephilidae

cingulatus, difformis, latipennis, luctuosus
nigricornis, rotundipennis, zerberus

Status (RL / Prio):	- / -
Indikatorgruppe:	3

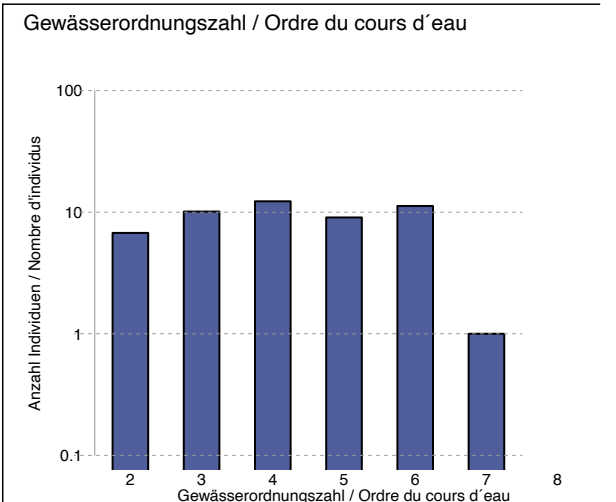
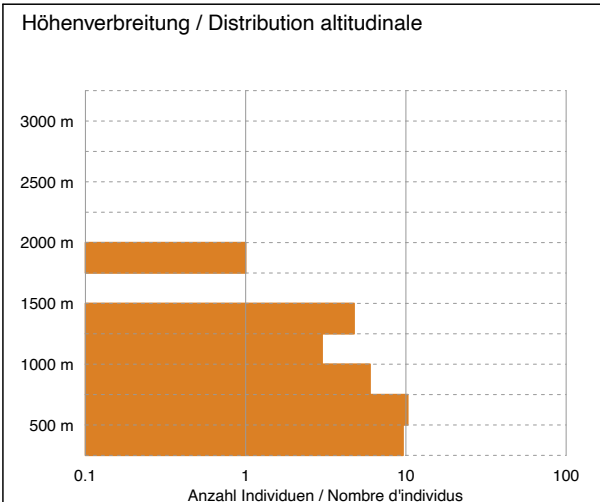
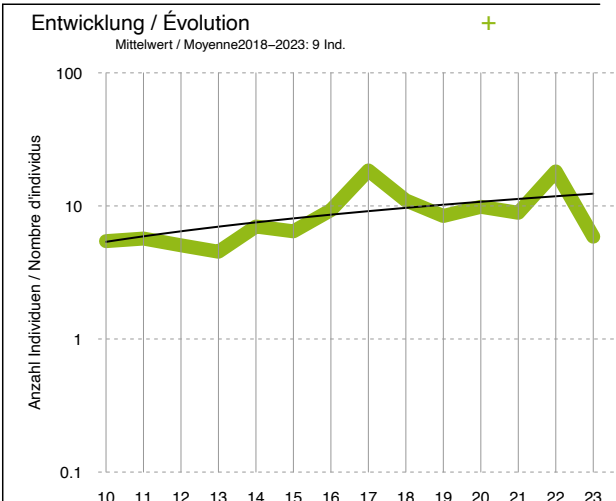
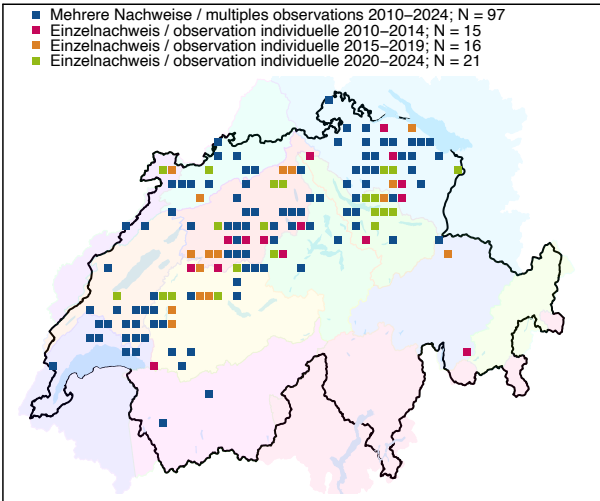


5769 Chaetopt. & Stenoph. –Komplex Gruppe Digitatus

Limnephilidae

digitatus, radiatus, tessellatus

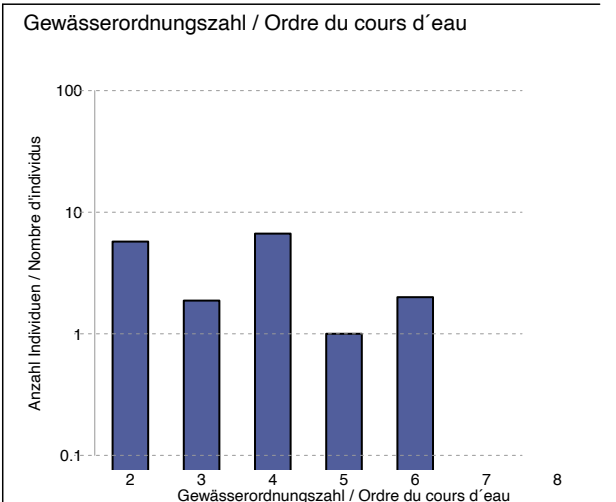
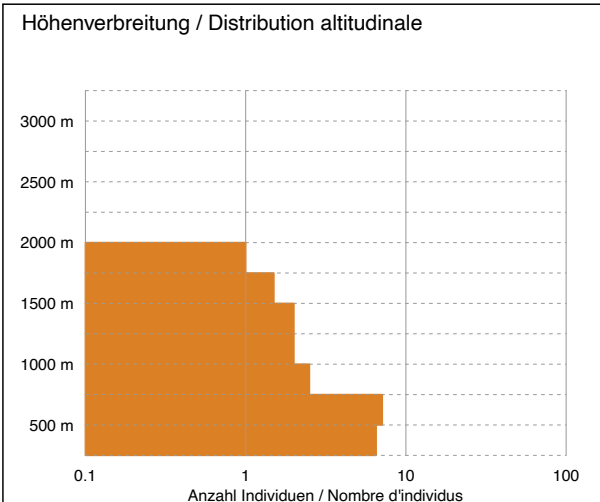
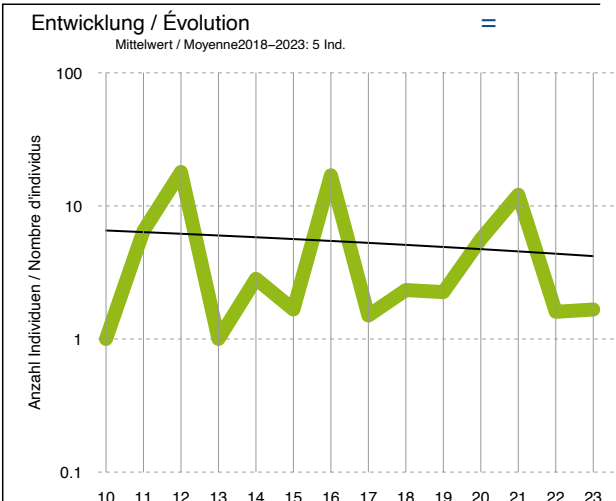
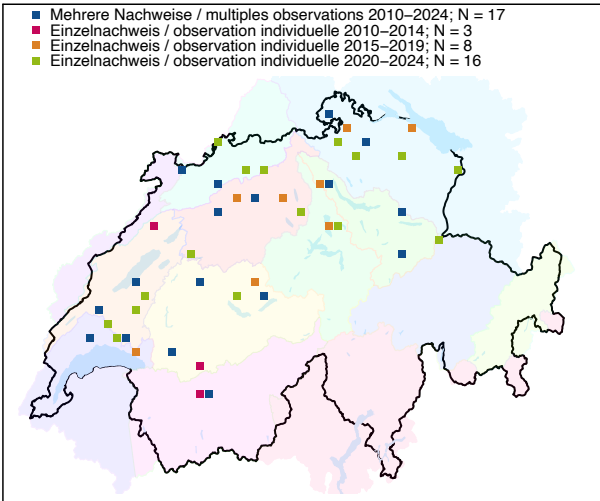
Status (RL / Prio):	– / –
Indikatorgruppe:	3



5770 Chaetopt. & Stenoph. –Komplex Gruppe *Permistus*
Limnephilidae

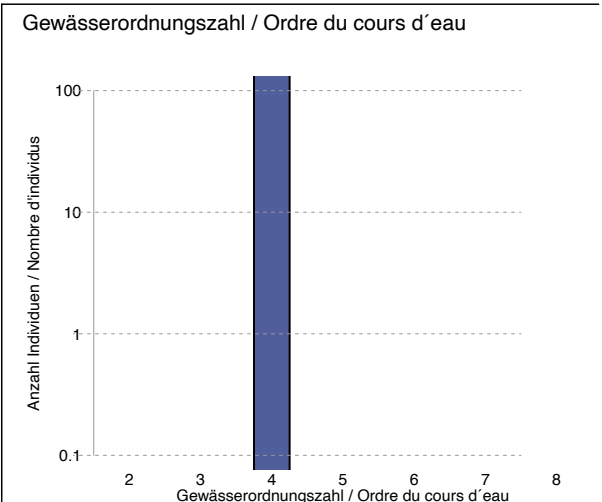
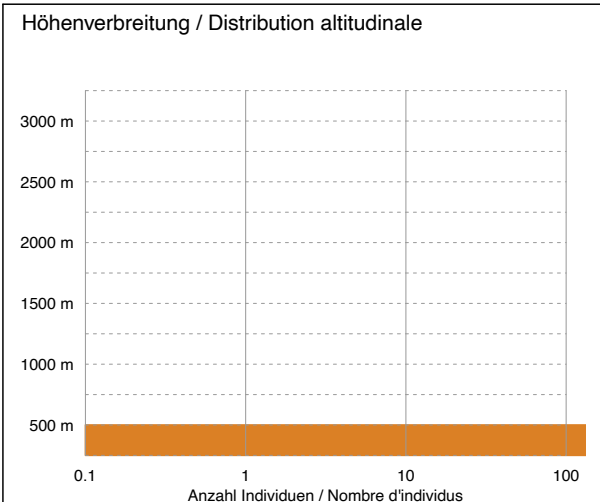
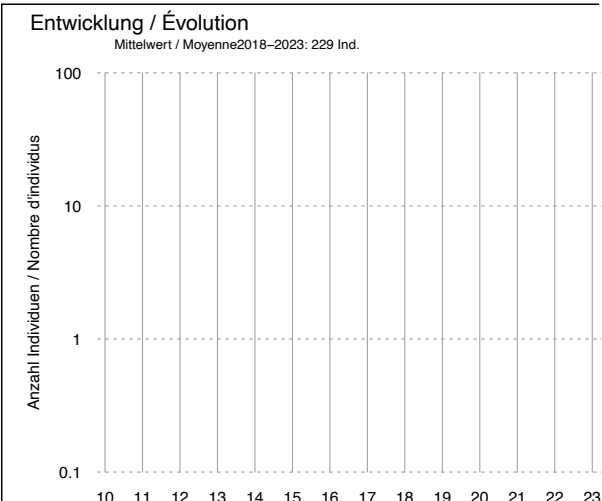
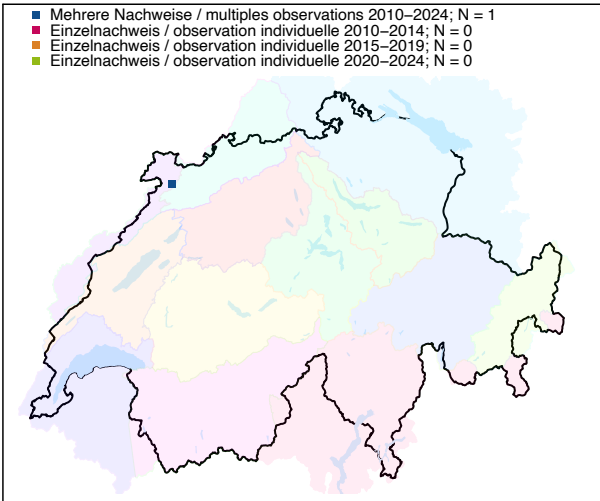
frauenfeldi, *lateralis*, *mitis*, *nycterobia*
permistus, *sequax*, *testacea*, *vibex*

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



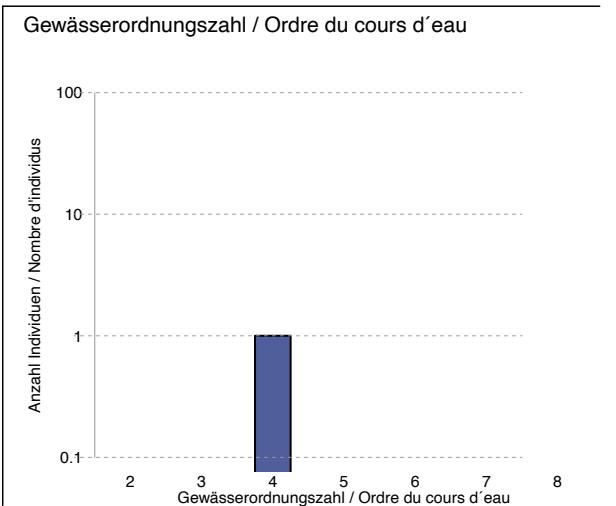
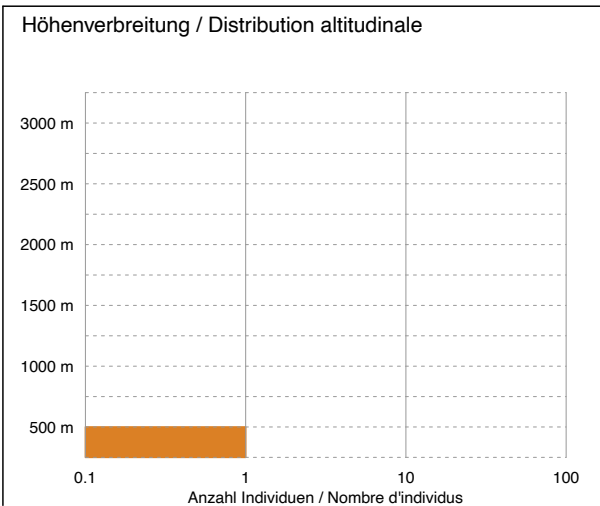
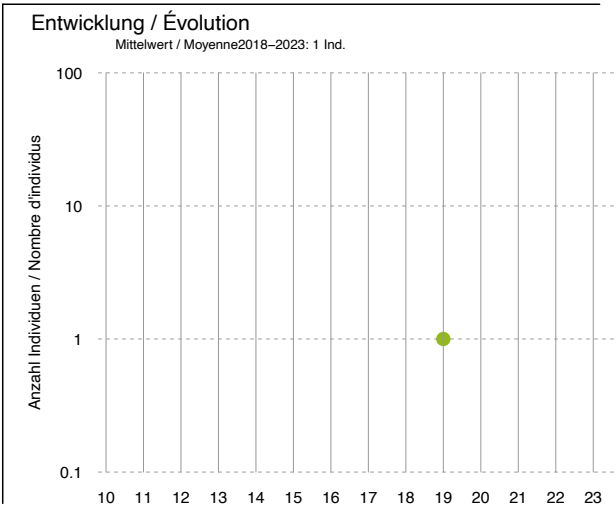
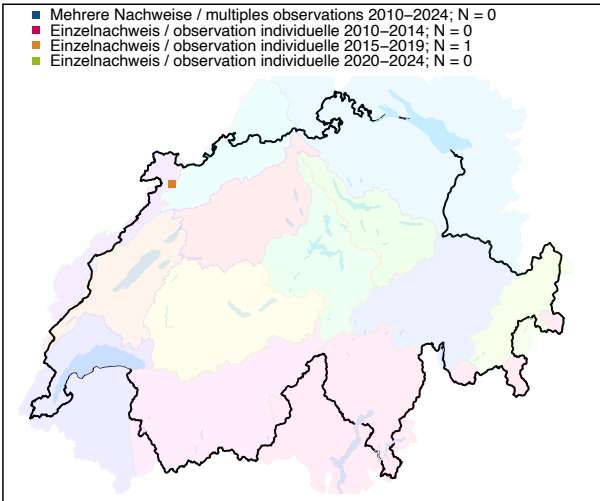
5776 *Cheumatopsyche lepida*
Hydropsychidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



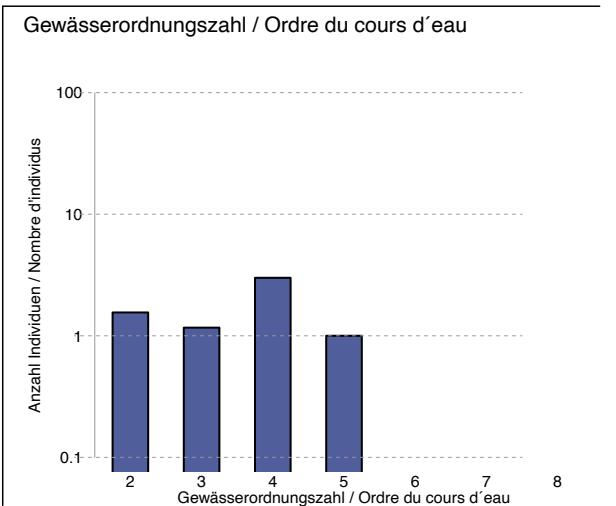
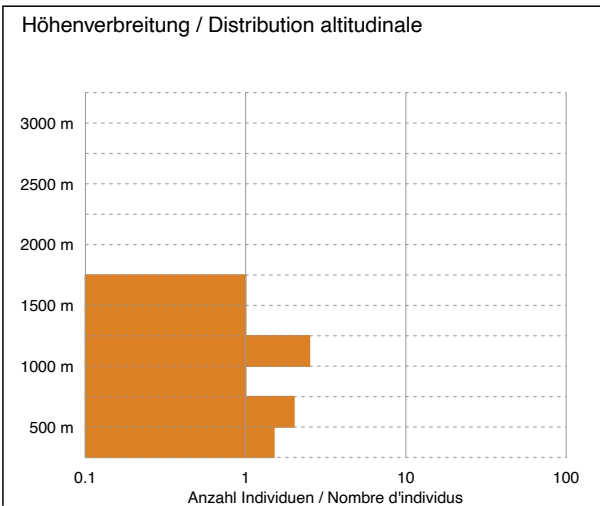
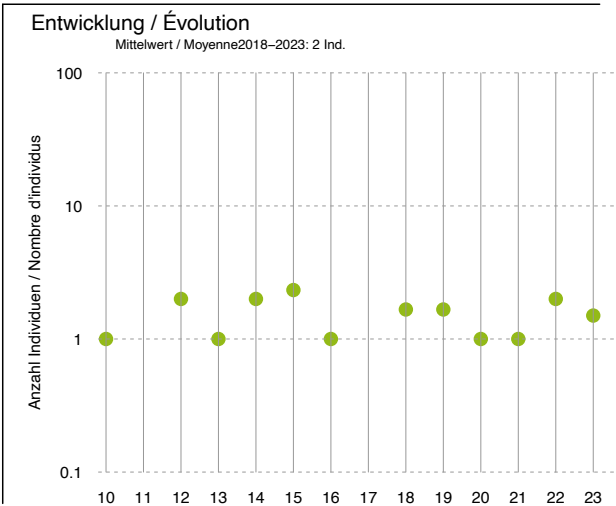
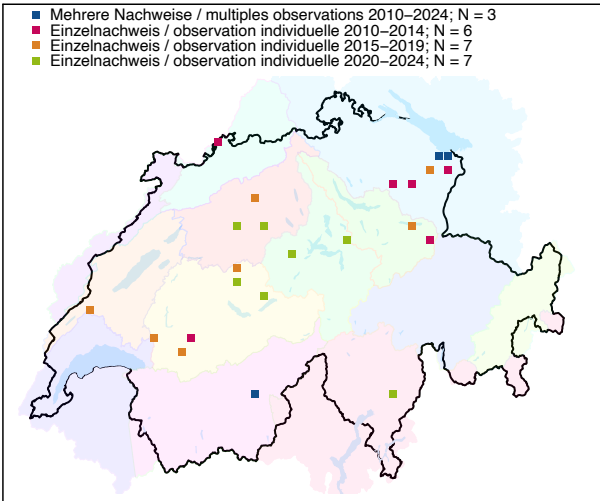
5777 *Chimarra marginata*
Philopotamidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5779 *Crunoecia irrorata*
Lepidostomatidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5780 *Cryptothrix nebulicola* *Limnephilidae*

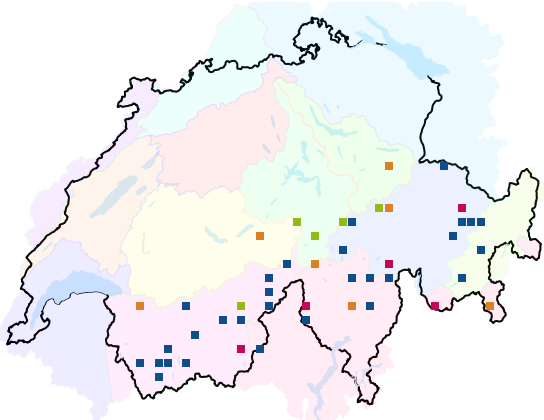
Status (RL / Prio):

– / –

Indikatorgruppe:

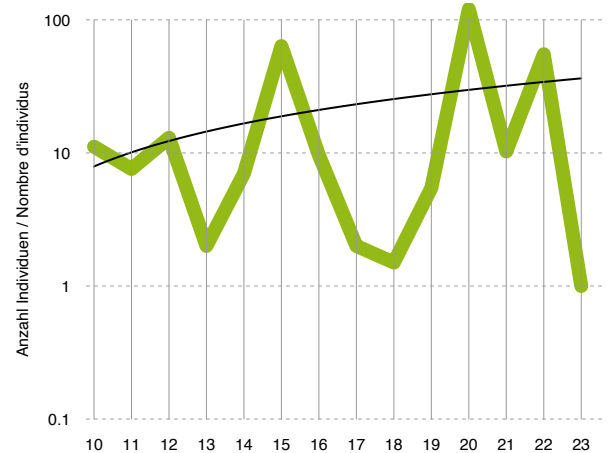
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 29
- Einzelnachweis / observation individuelle 2010–2014; N = 5
- Einzelnachweis / observation individuelle 2015–2019; N = 7
- Einzelnachweis / observation individuelle 2020–2024; N = 5

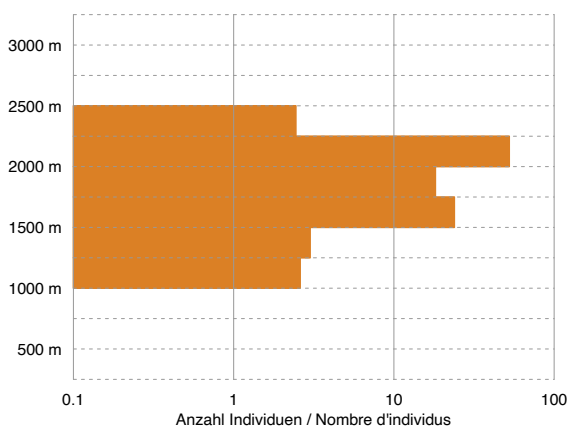


Entwicklung / Évolution

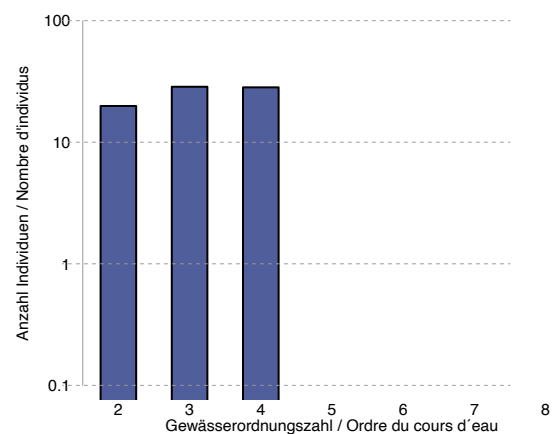
Mittelwert / Moyenne 2018–2023: 24 Ind.



Höhenverbreitung / Distribution altitudinale

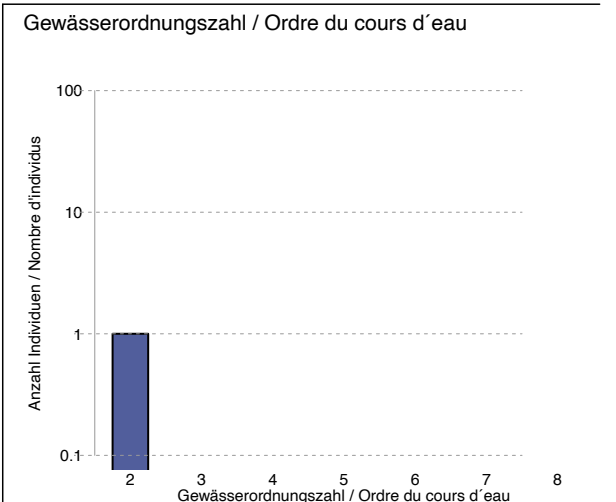
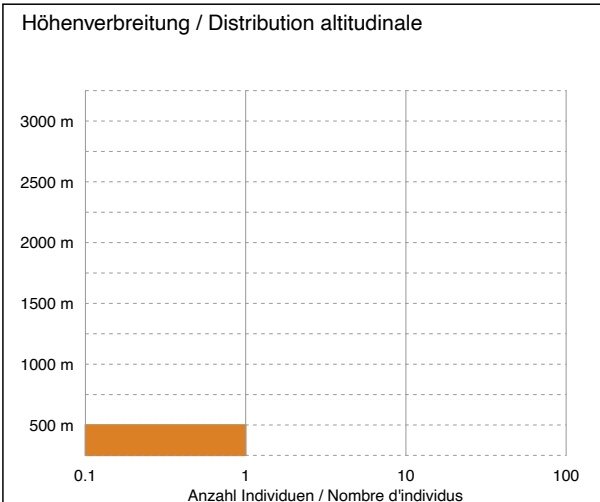
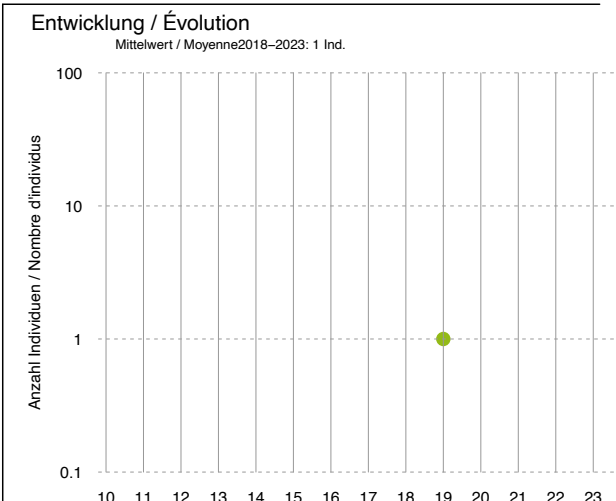
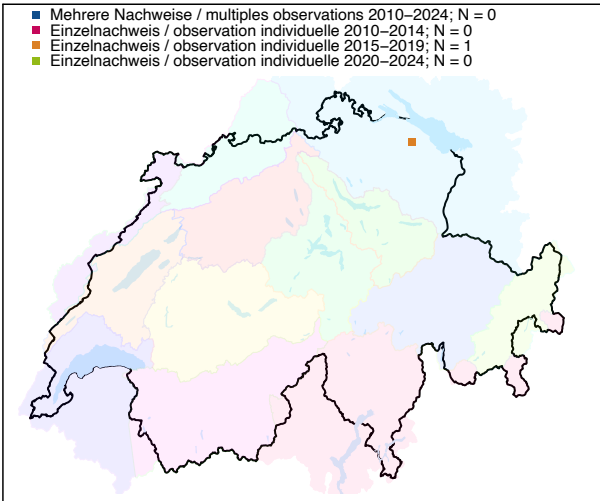


Gewässerordnungszahl / Ordre du cours d'eau



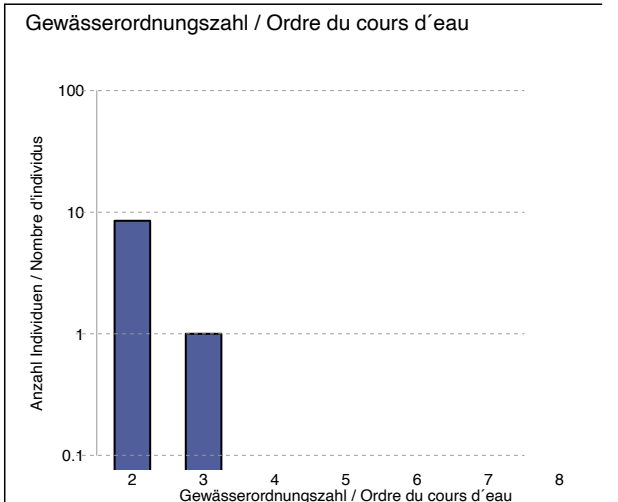
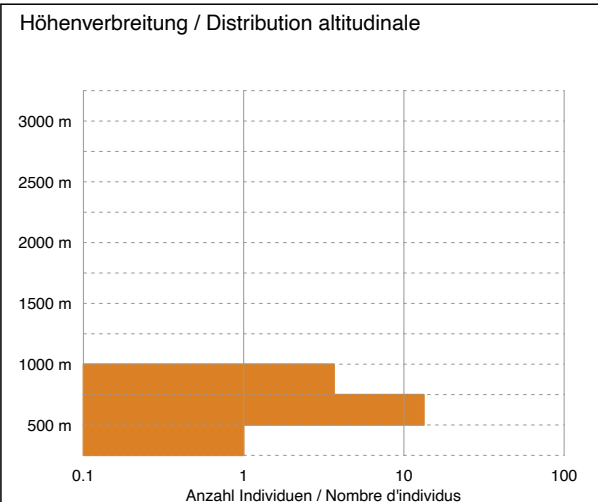
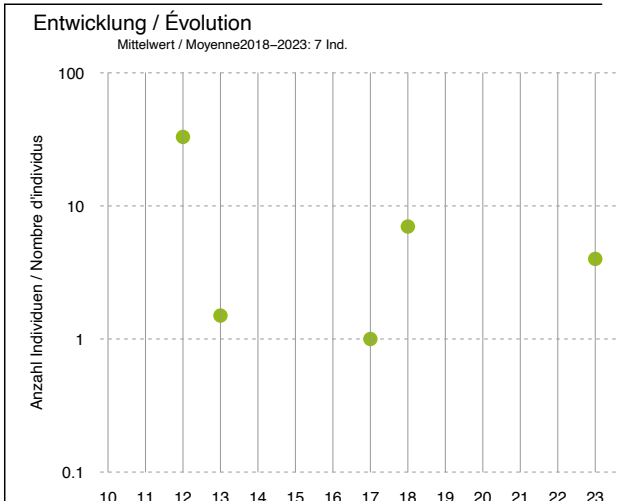
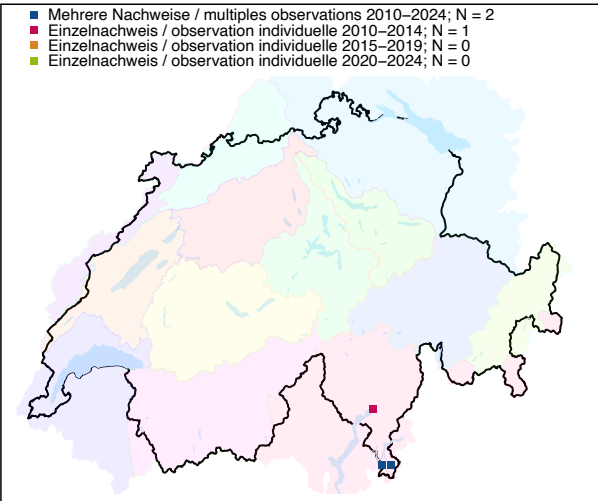
5784 *Cyrnus trimaculatus*
Polycentropodidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



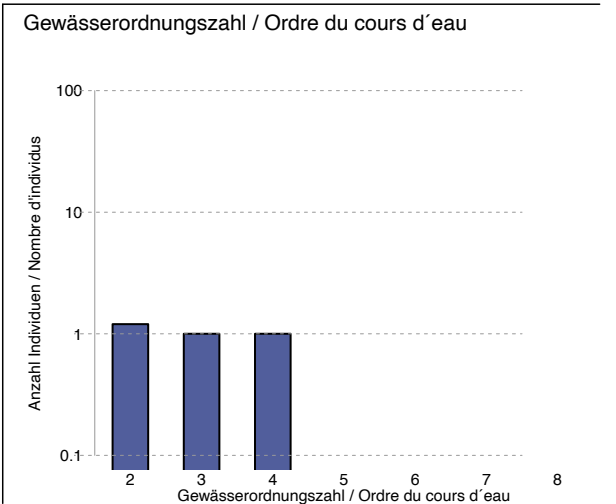
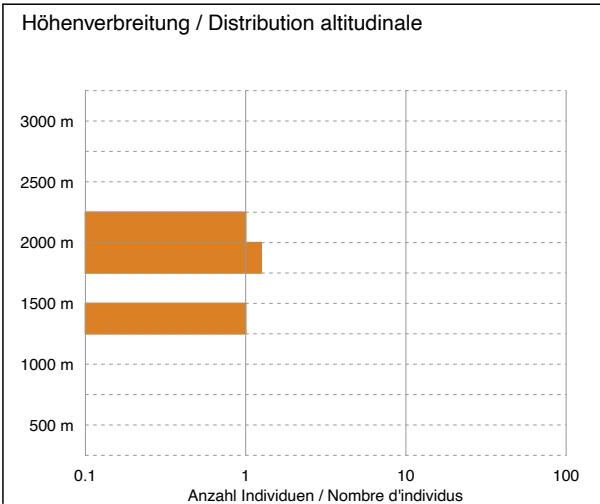
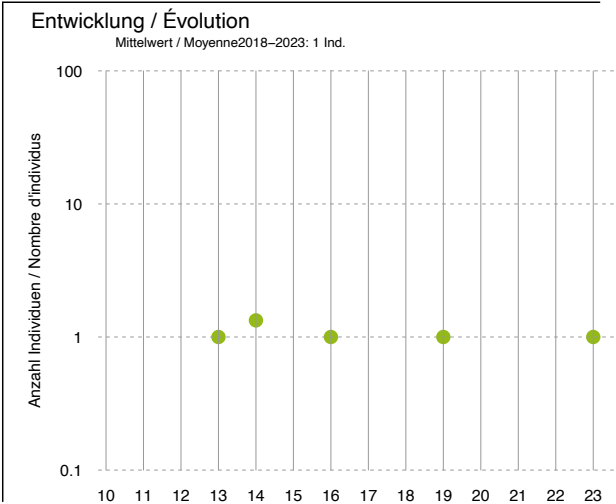
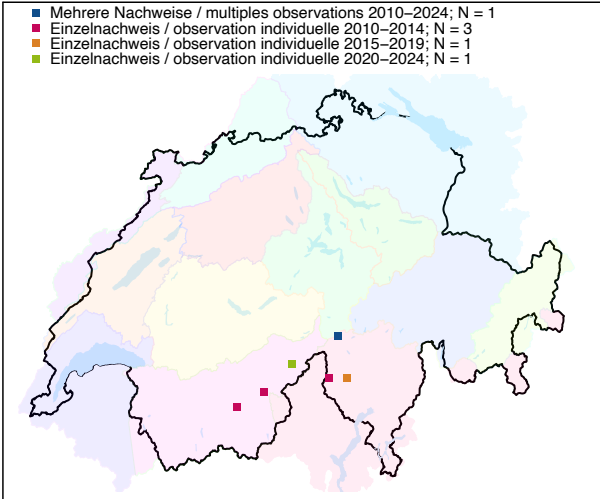
5786 *Diplectrona atra* Hydropsychidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



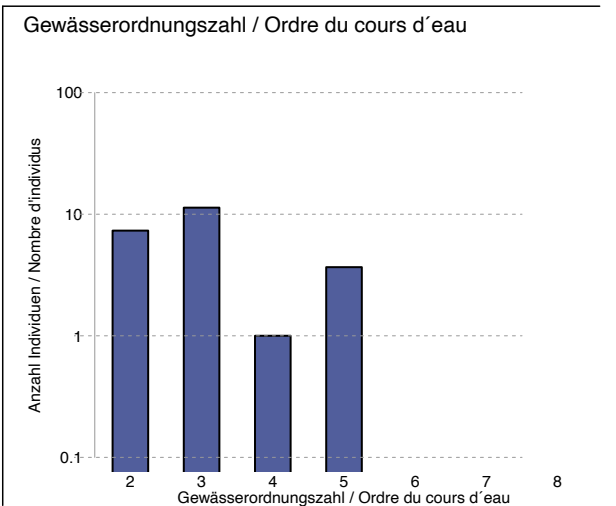
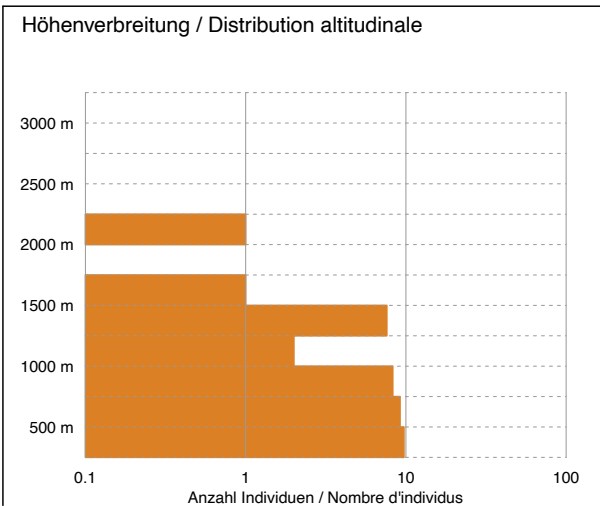
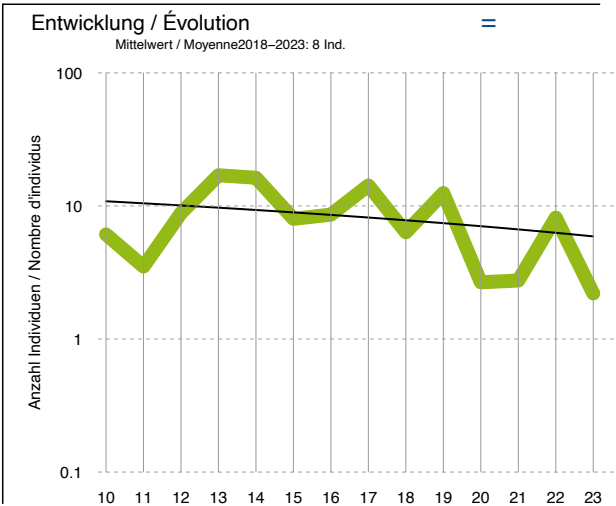
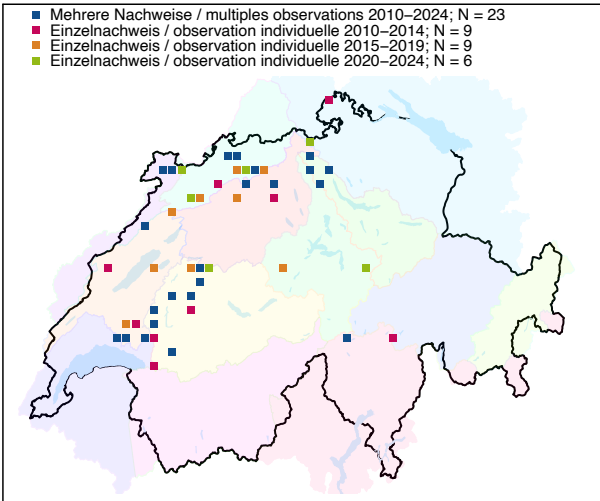
5787 *Drusus alpinus*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



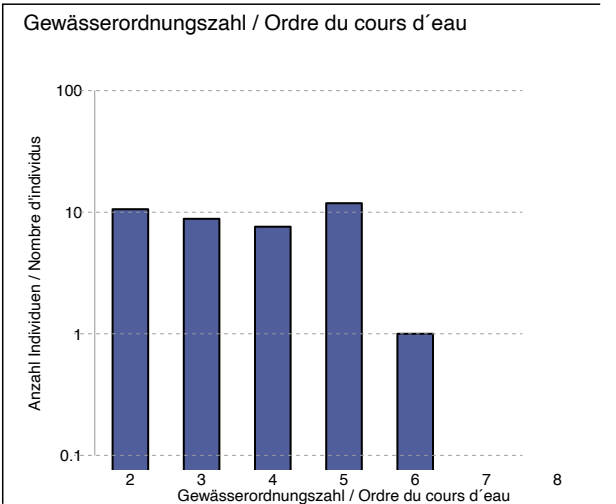
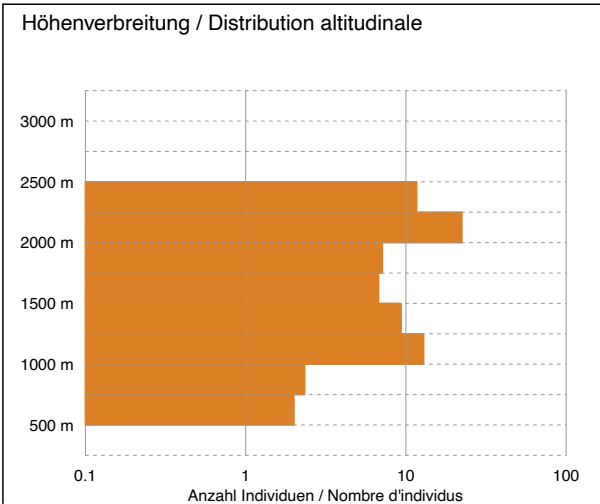
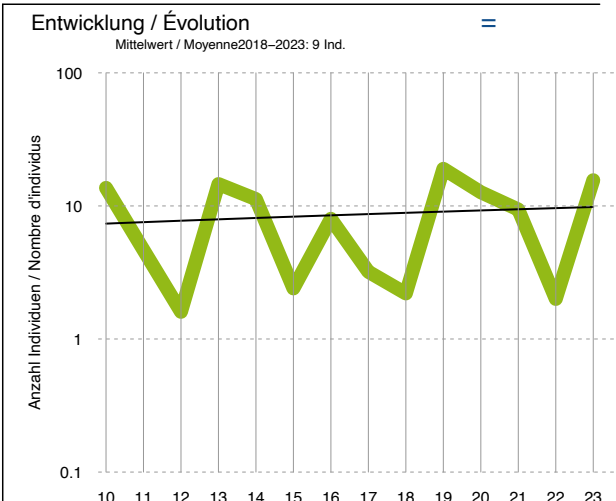
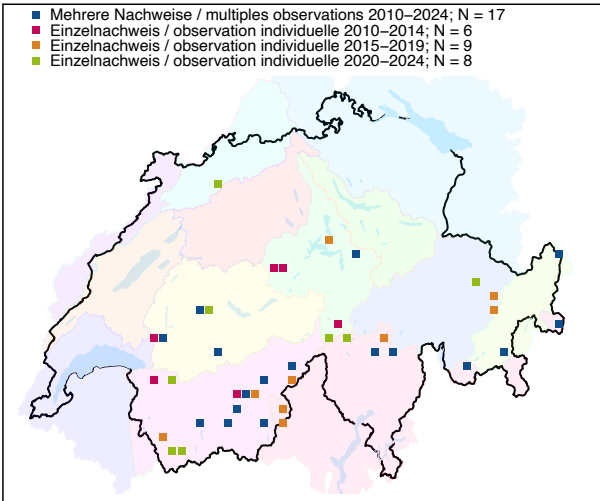
5788 *Drusus annulatus*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



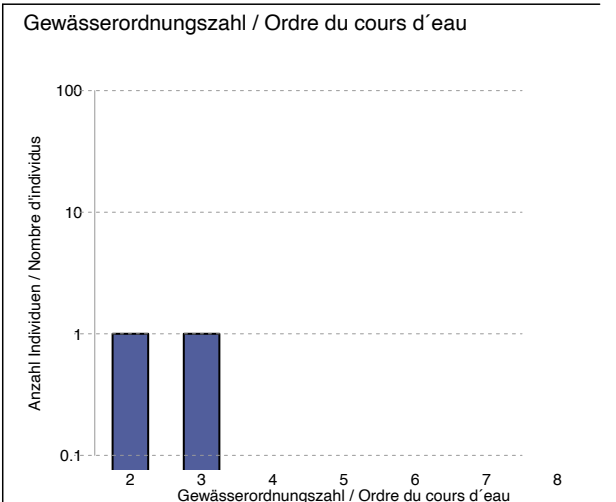
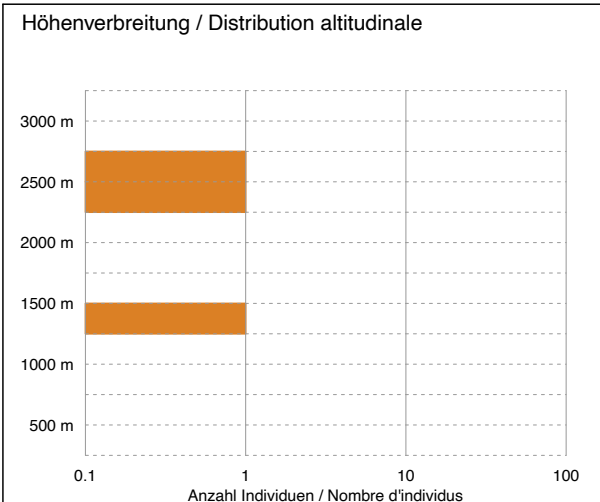
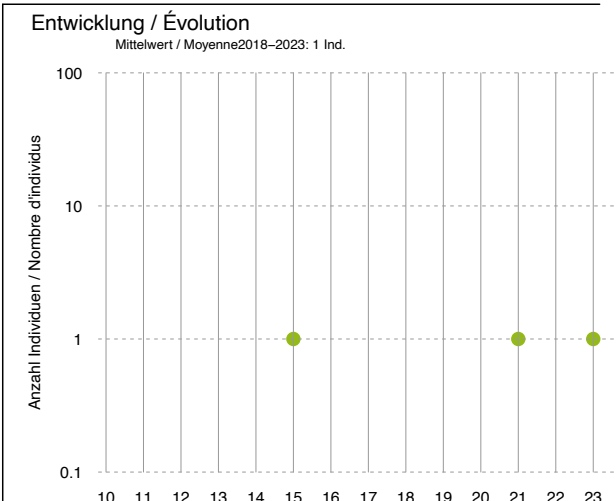
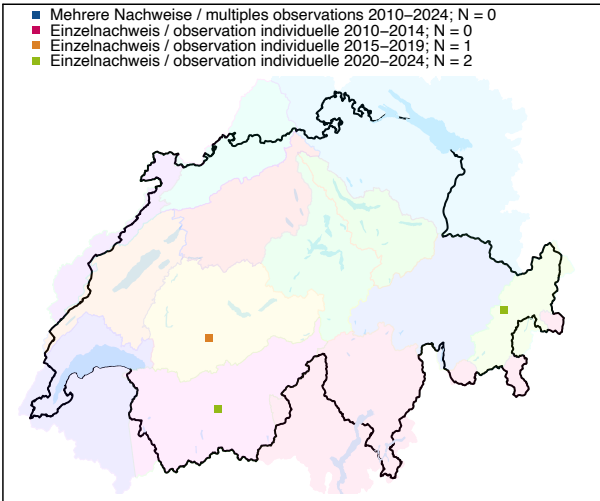
5789 *Drusus biguttatus*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



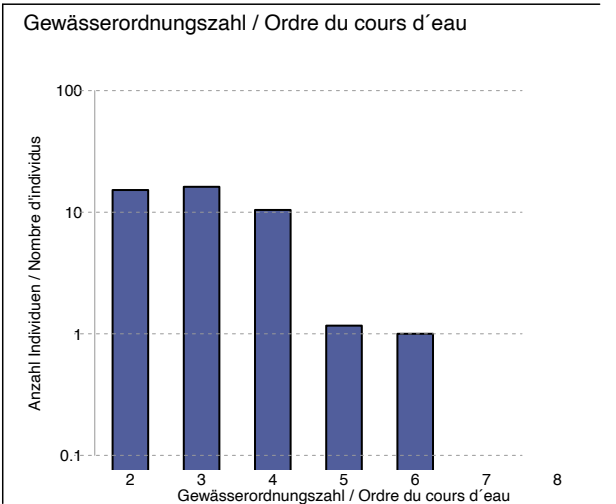
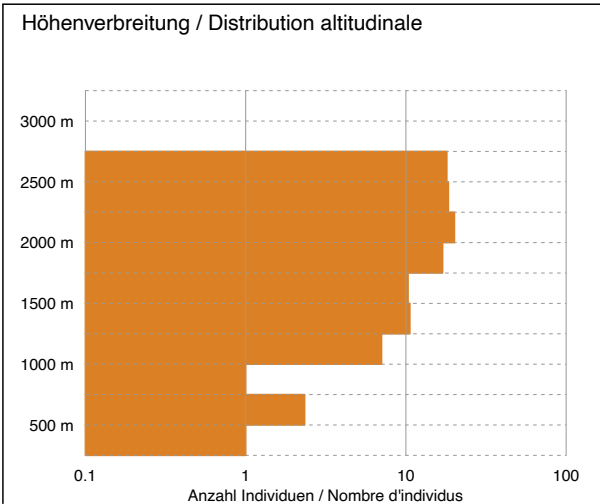
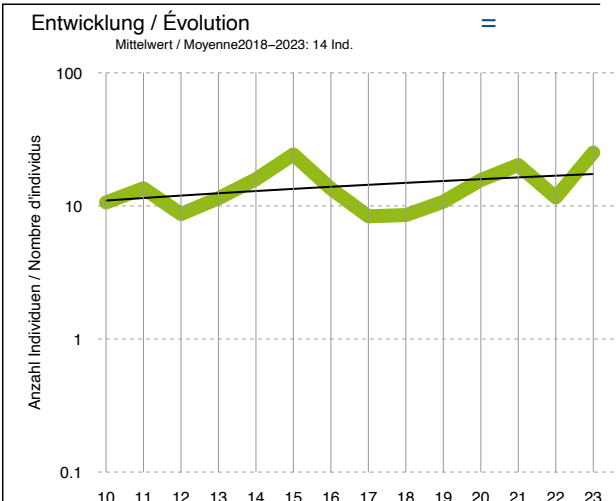
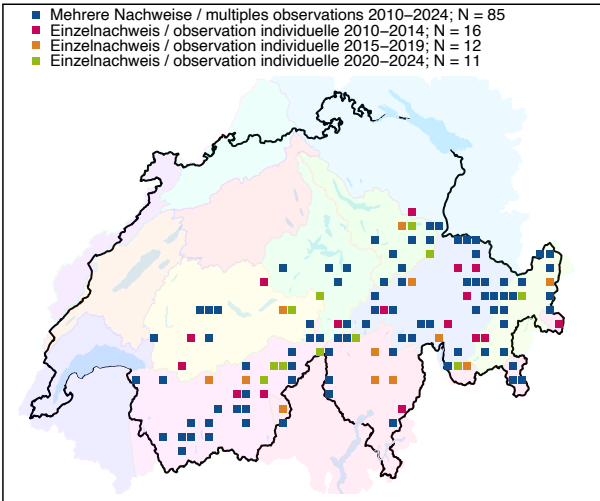
5791 *Drusus chrysotus*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



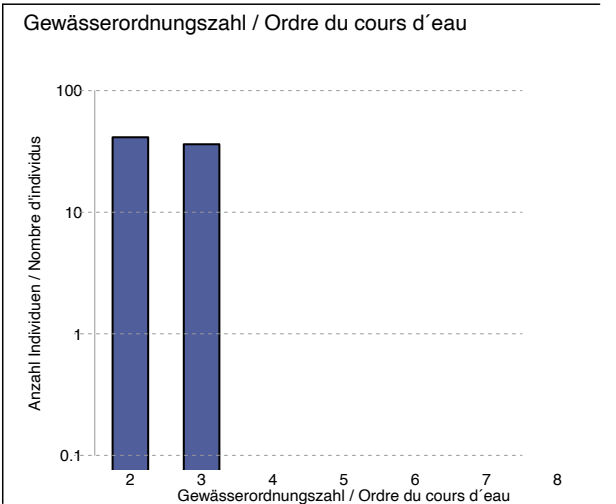
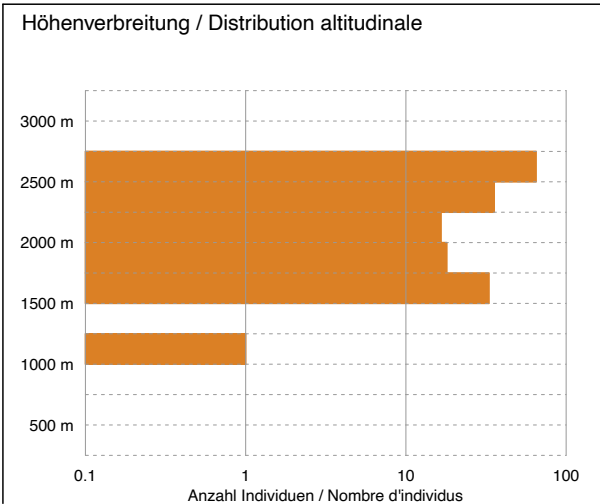
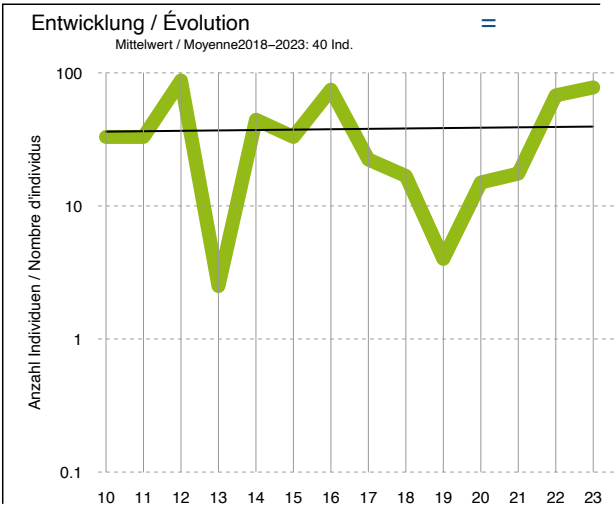
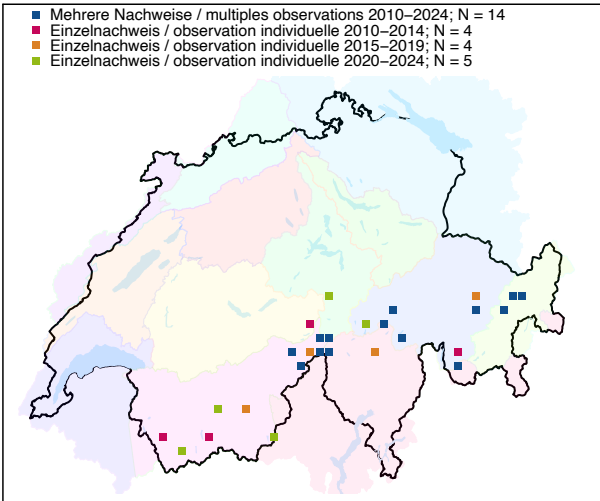
5792 *Drusus discolor*
Limnephilidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	3



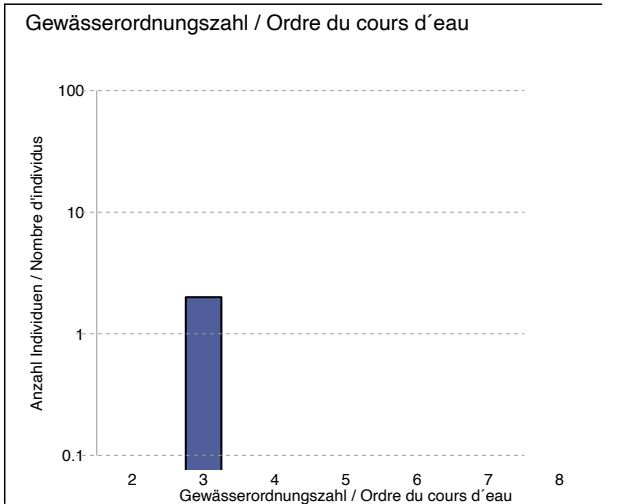
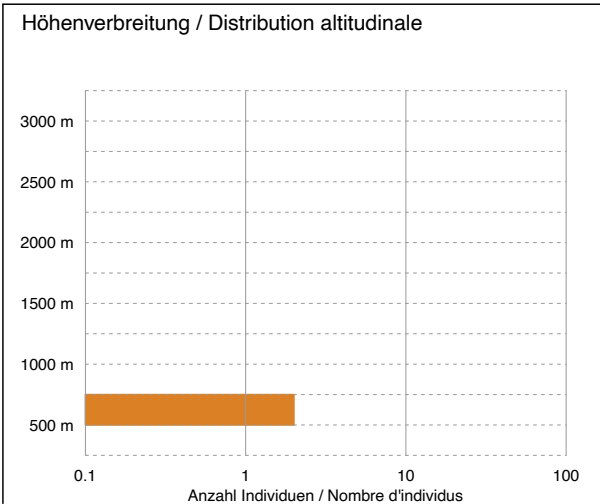
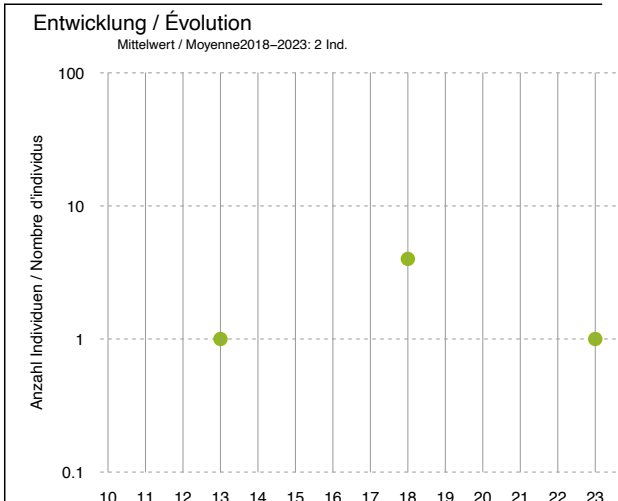
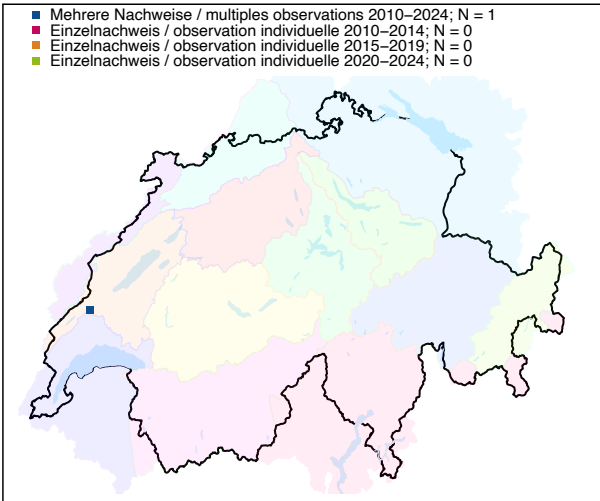
5794 *Drusus melanchaetes*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



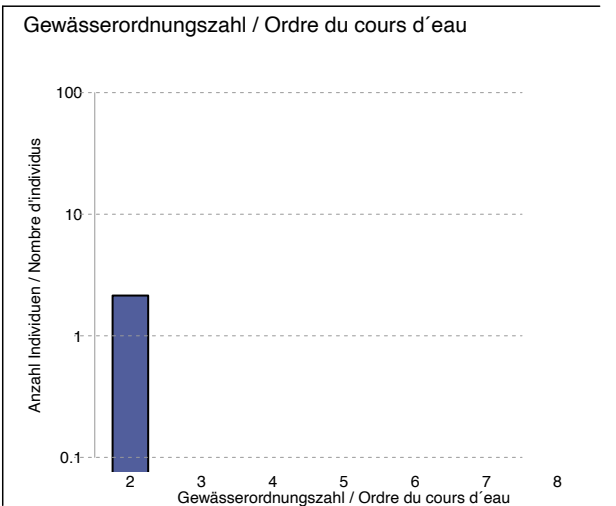
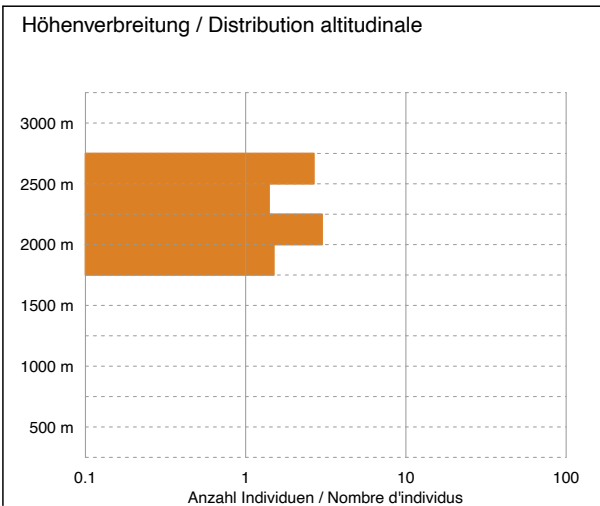
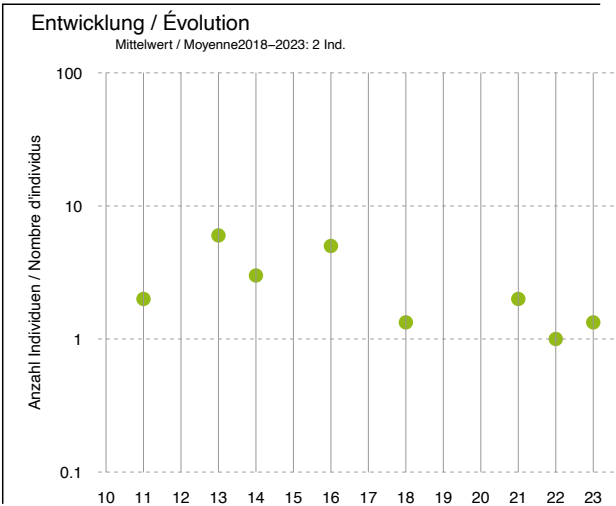
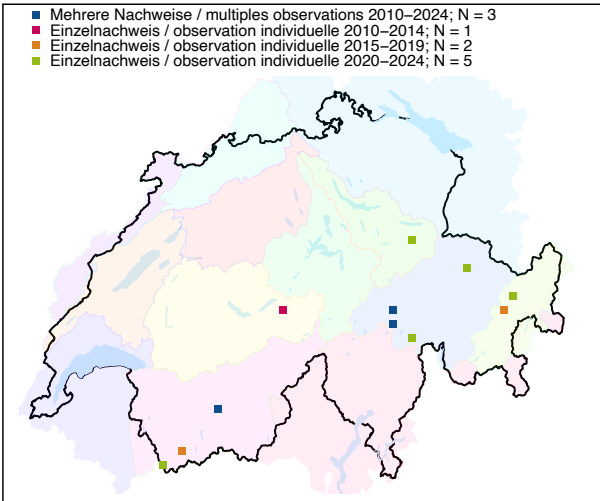
5795 *Drusus mixtus*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5796 *Drusus monticola*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5797 *Drusus muelleri* *Limnephilidae*

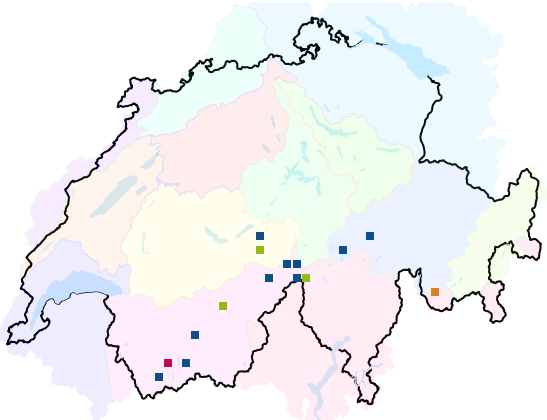
Status (RL / Prio):

– / –

Indikatorgruppe:

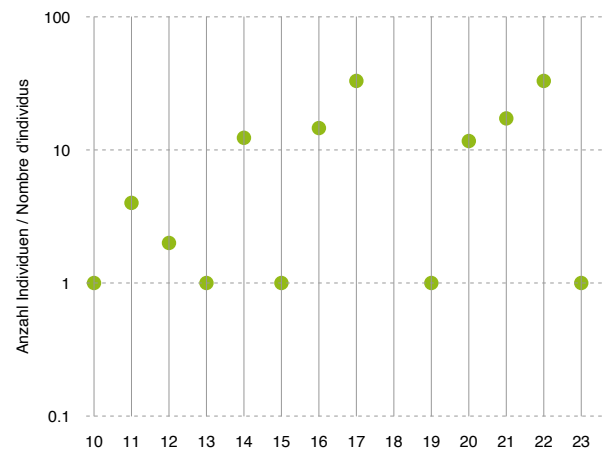
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 10
- Einzelnachweis / observation individuelle 2010–2014; N = 1
- Einzelnachweis / observation individuelle 2015–2019; N = 1
- Einzelnachweis / observation individuelle 2020–2024; N = 3

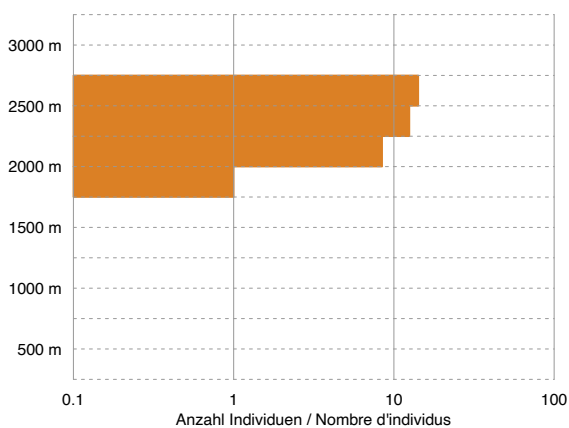


Entwicklung / Évolution

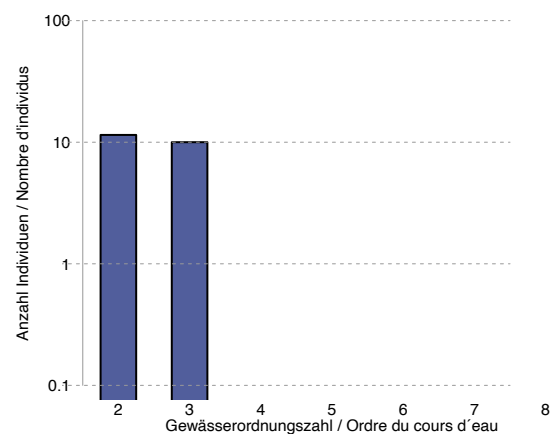
Mittelwert / Moyenne 2018–2023: 11 Ind.



Höhenverbreitung / Distribution altitudinale

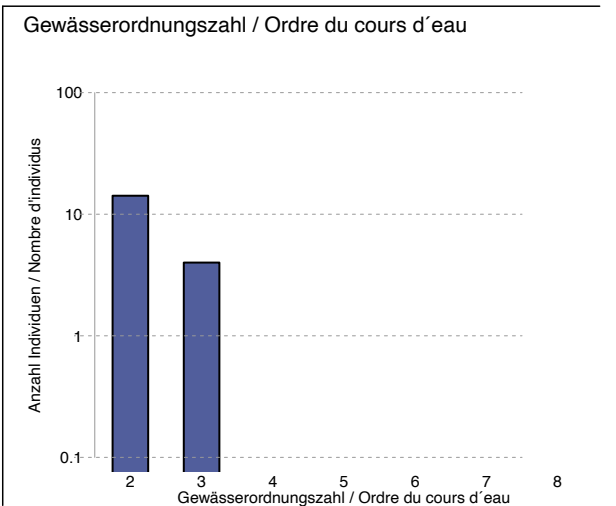
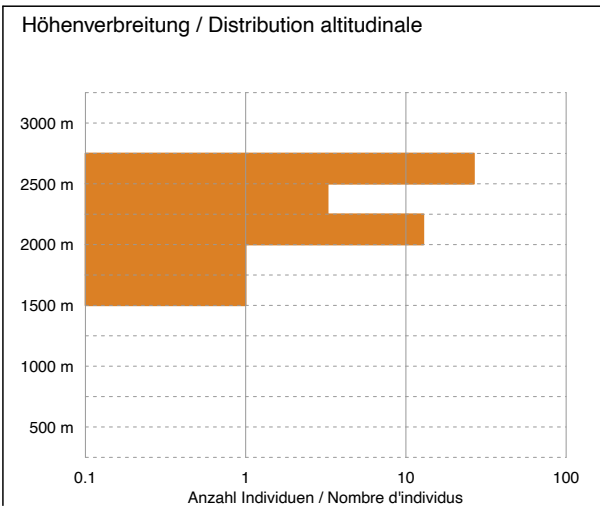
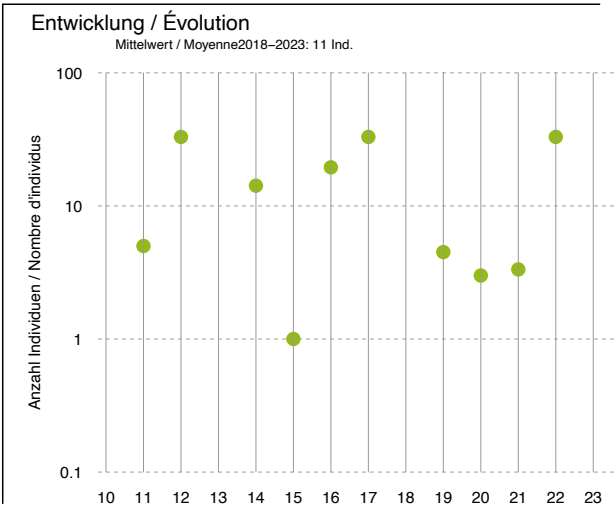
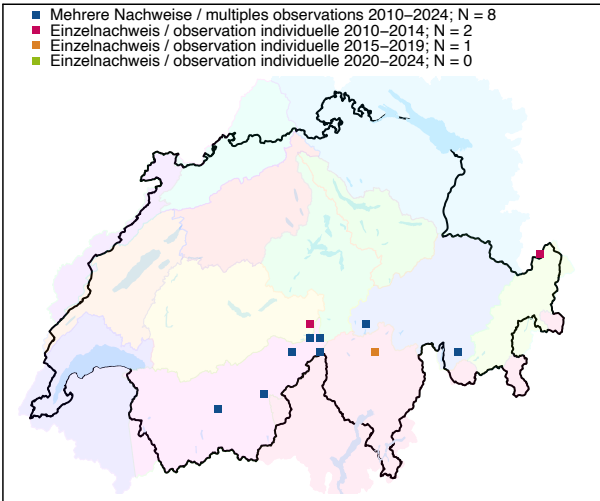


Gewässerordnungszahl / Ordre du cours d'eau



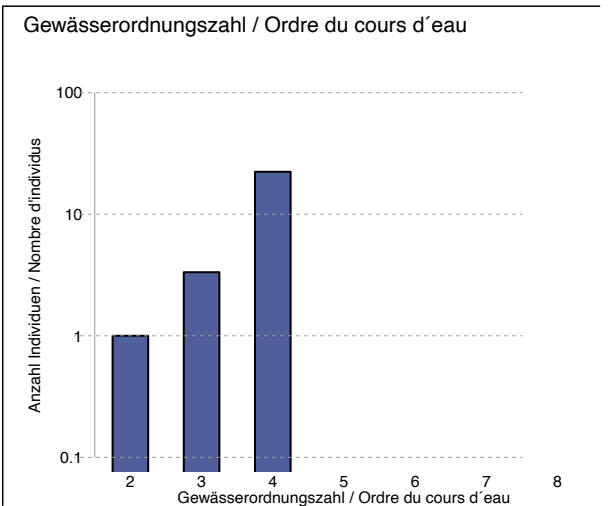
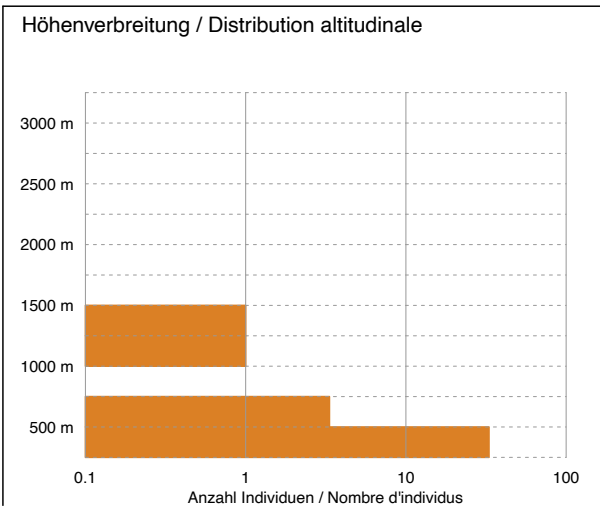
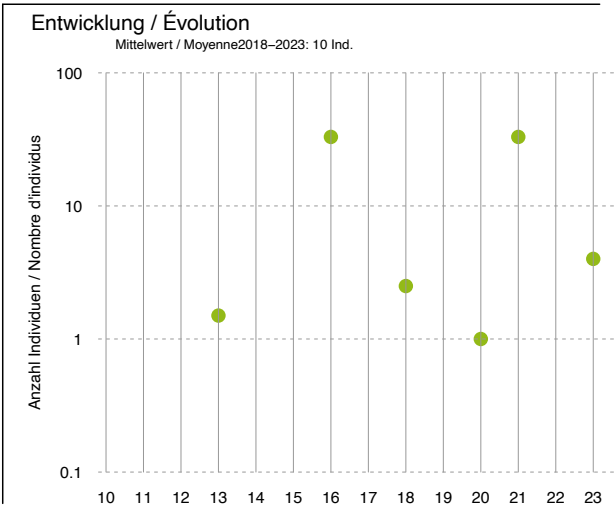
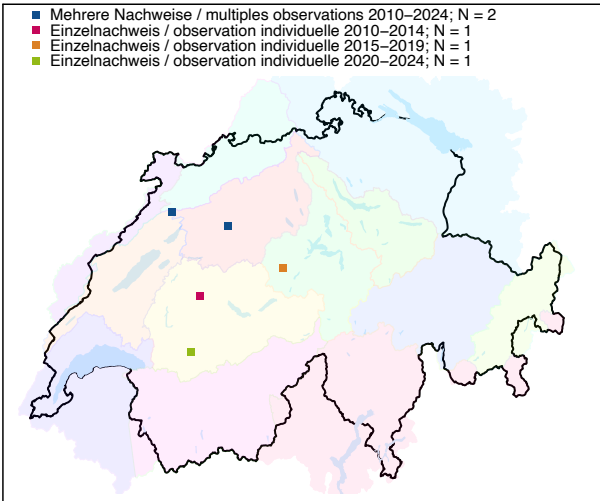
5798 *Drusus nigrescens*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



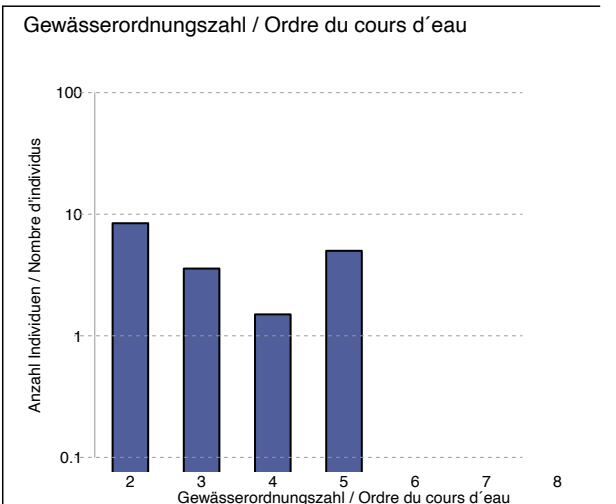
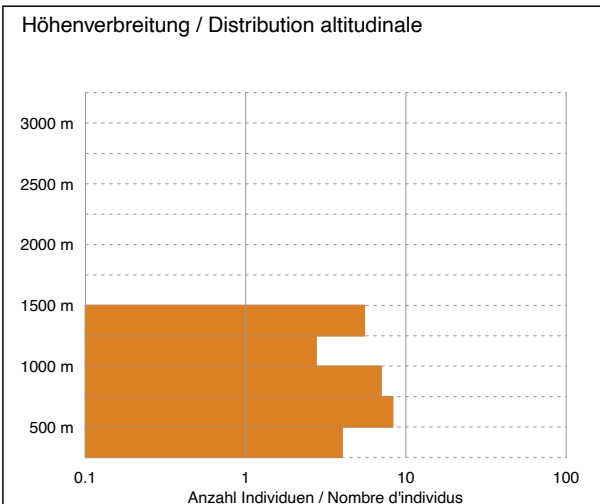
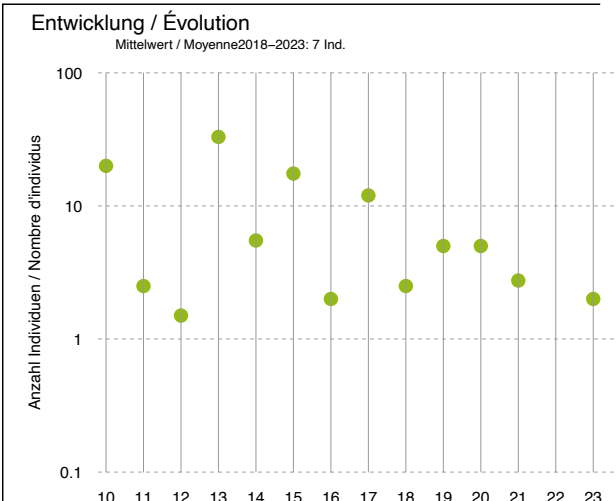
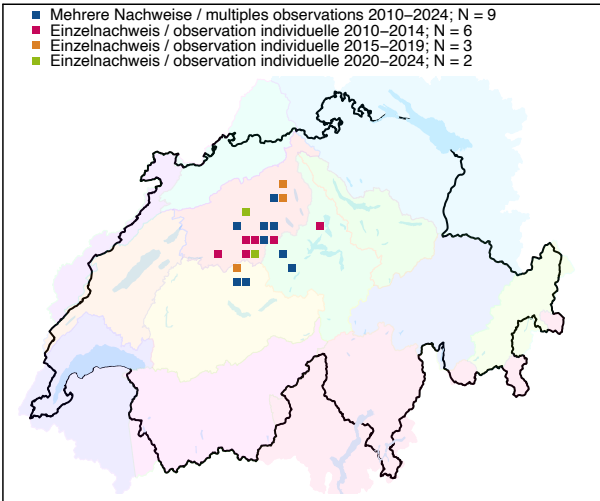
5801 *Ecclisopteryx guttulata*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5802 *Ecclisopteryx madida*
Limnephilidae

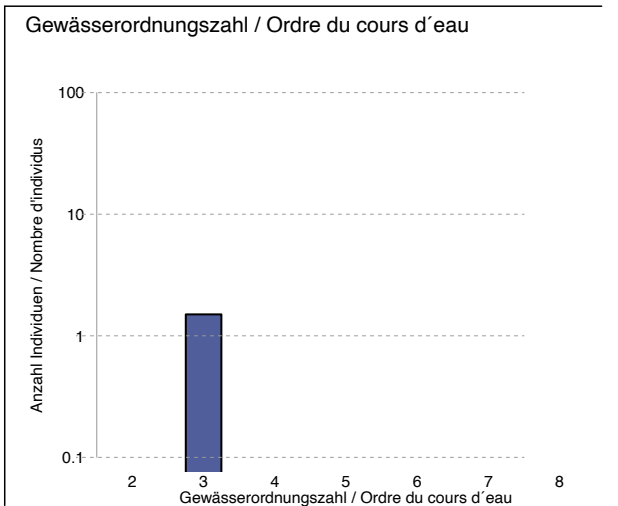
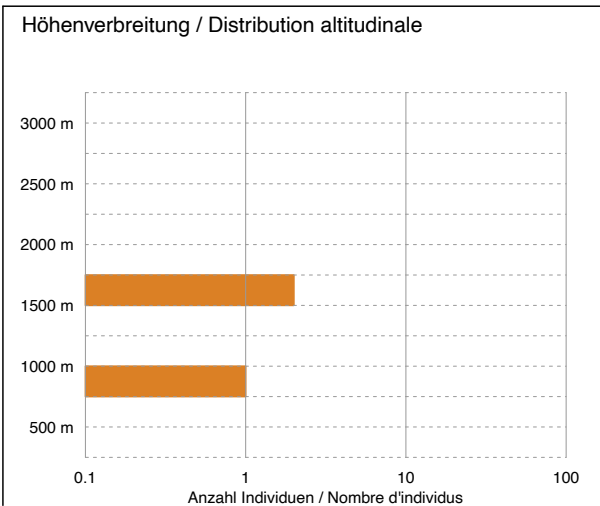
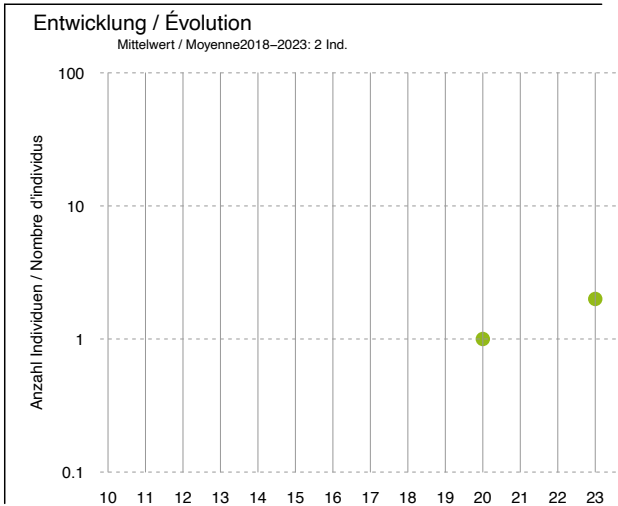
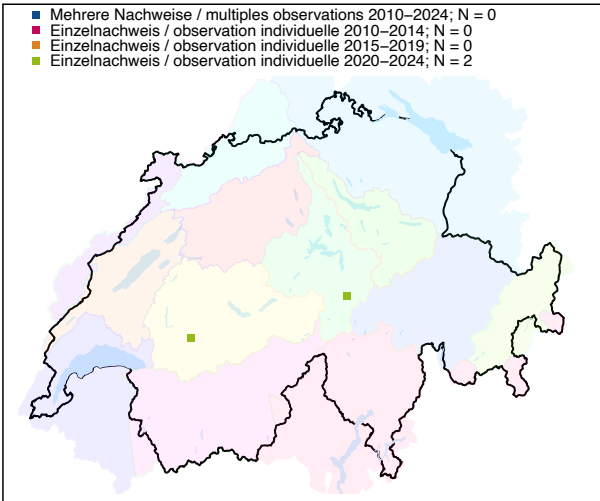
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5806 *Ernodes articularis*
Beraeidae

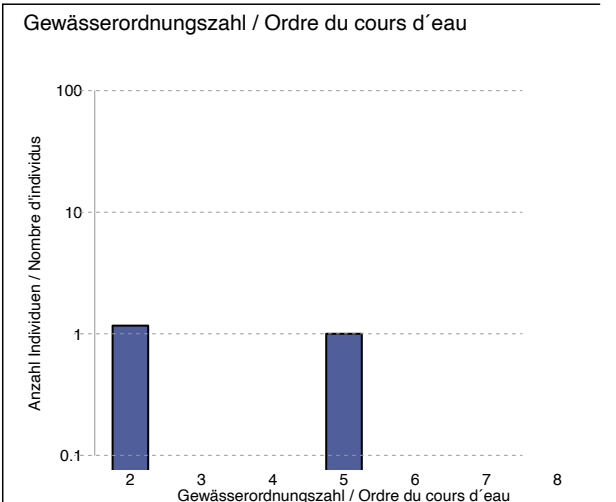
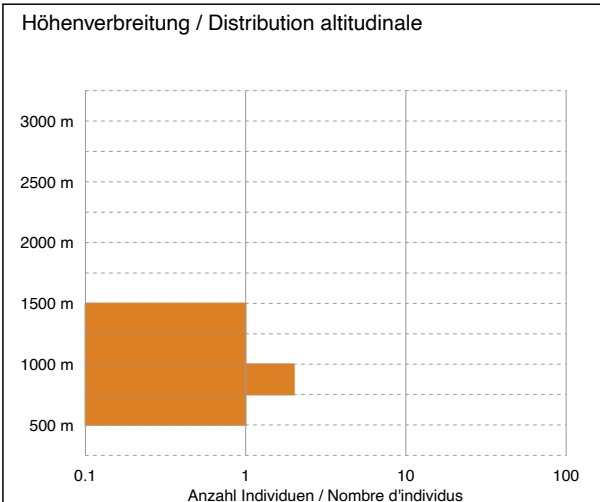
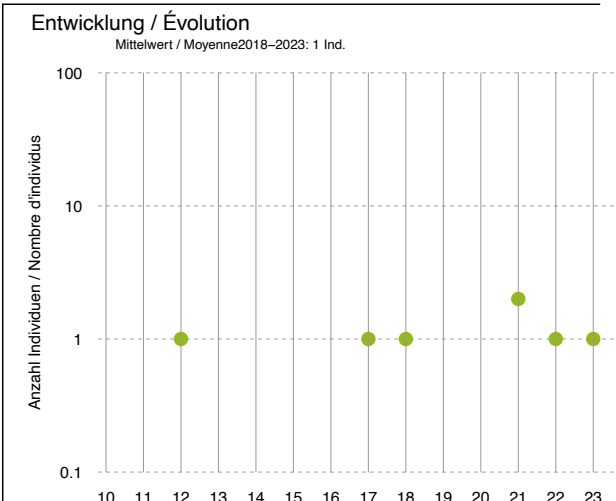
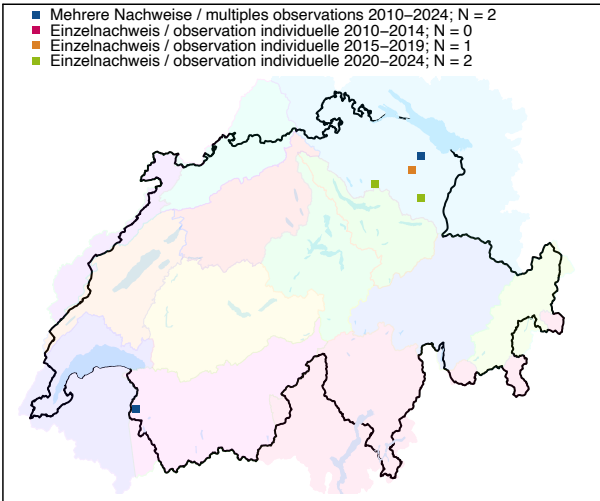
Status (RL / Prio): - / -

Indikatorgruppe: NA



5807 *Ernodes vicinus*
Beraeidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA

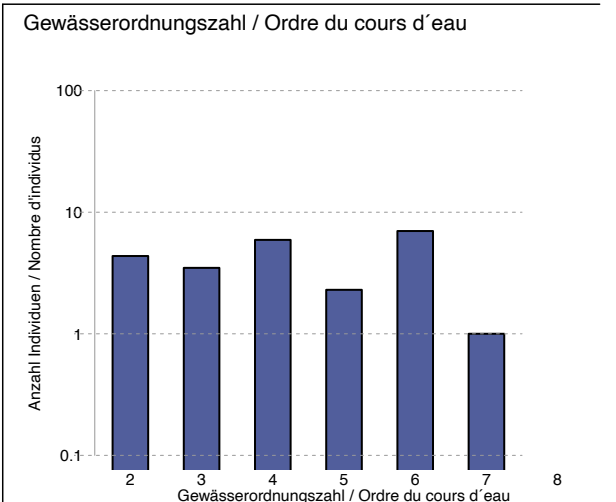
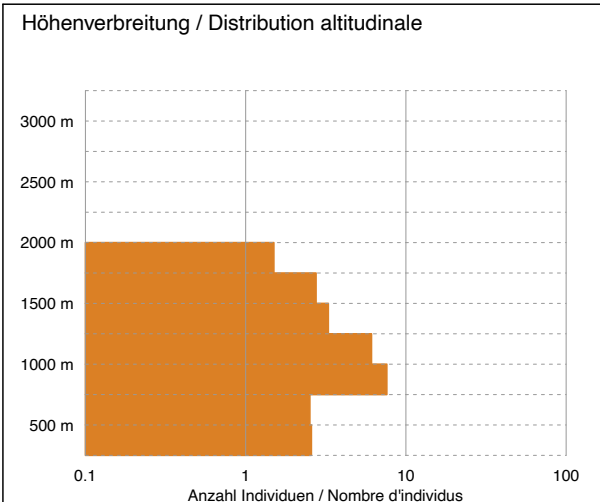
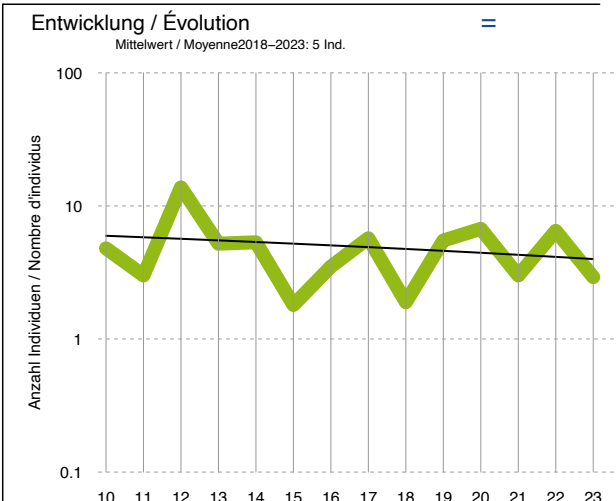
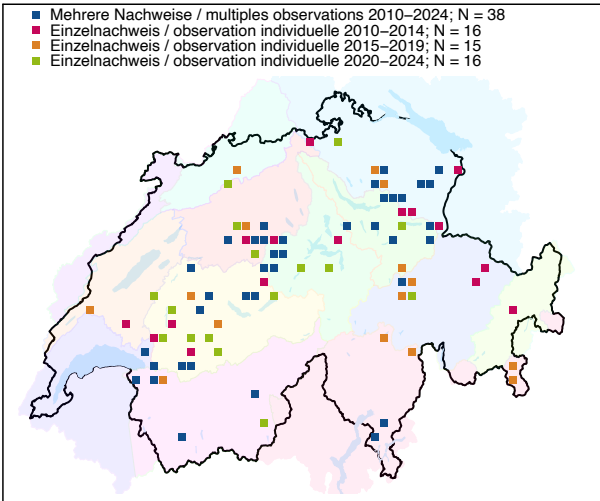


5813 Glossosoma –Komplex

Glossosomatidae

boltoni, conformis

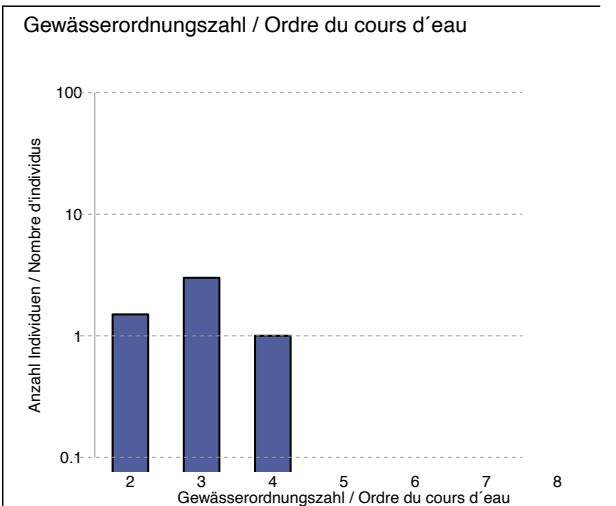
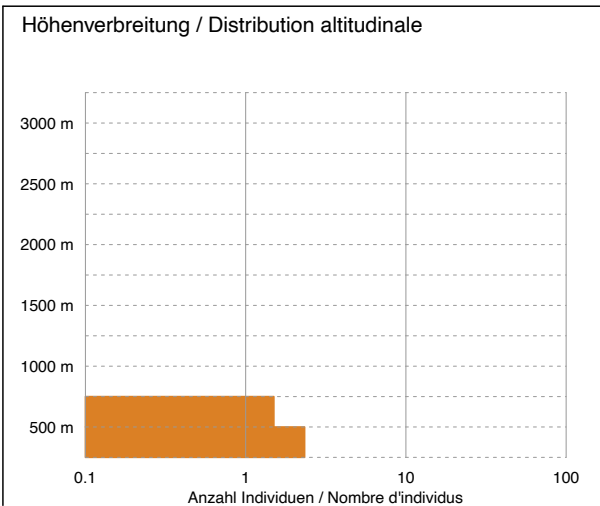
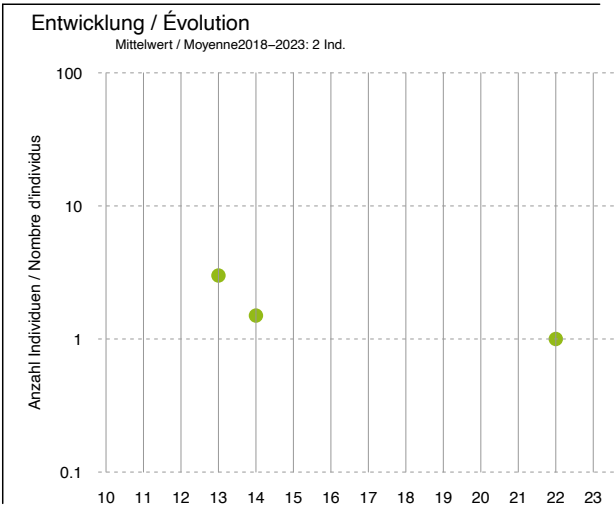
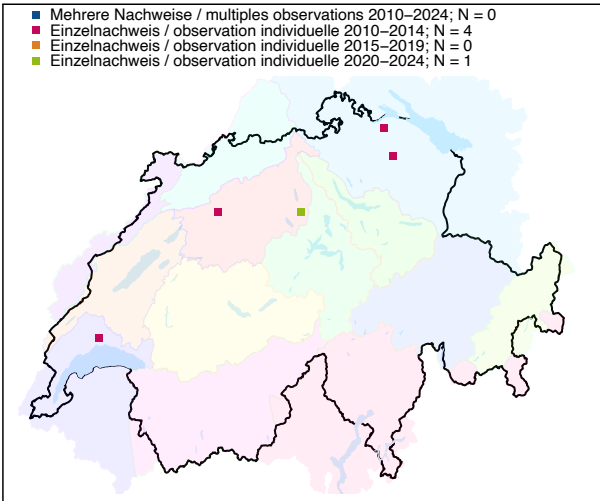
Status (RL / Prio):	- / -
Indikatorgruppe:	7



5814 *Glyphotaelius pellucidus*
Limnephilidae

Status (RL / Prio): - / -

Indikatorgruppe: NA



5815 *Goera pilosa* Goeridae

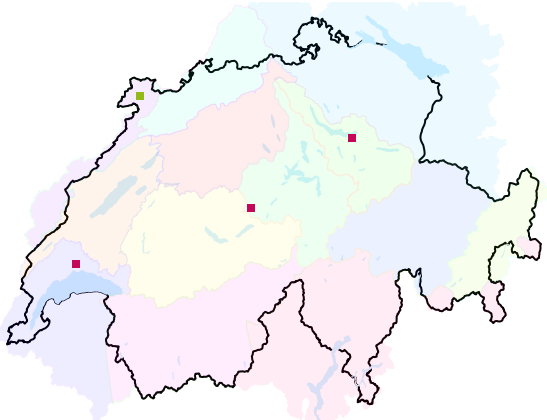
Status (RL / Prio):

– / –

Indikatorgruppe:

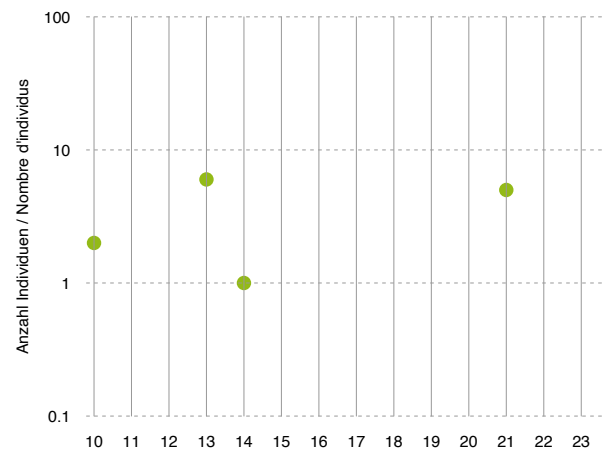
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 3
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 1

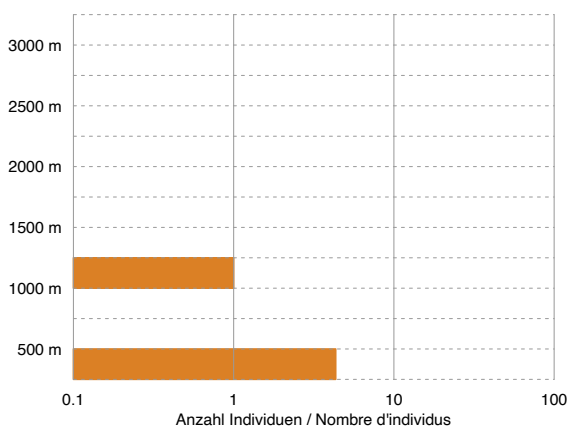


Entwicklung / Évolution

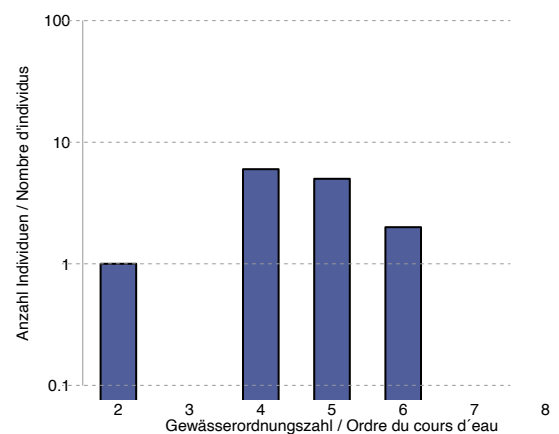
Mittelwert / Moyenne 2018–2023: 4 Ind.



Höhenverbreitung / Distribution altitudinale



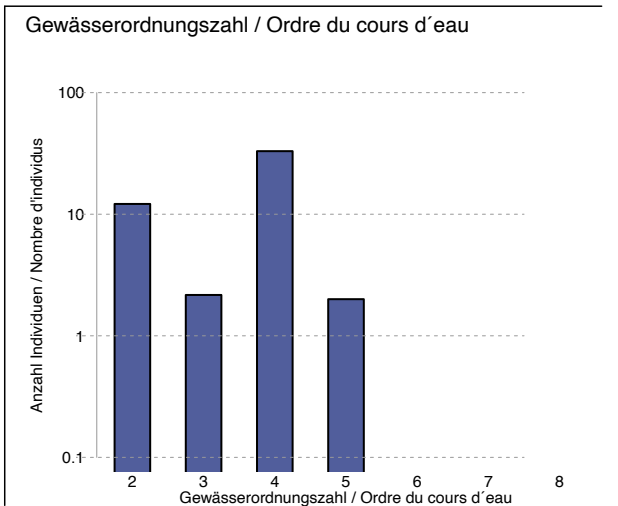
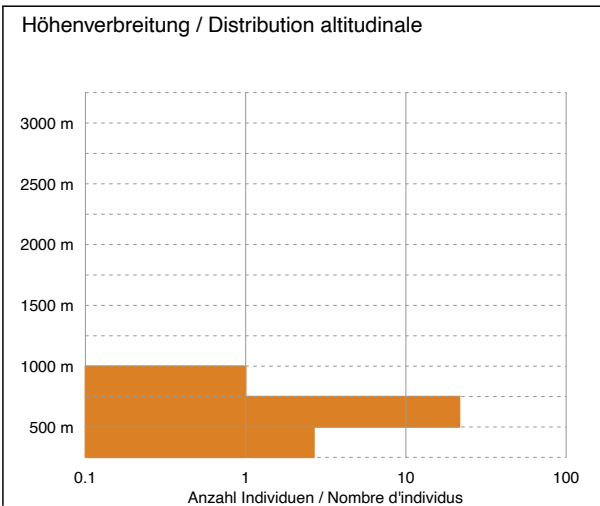
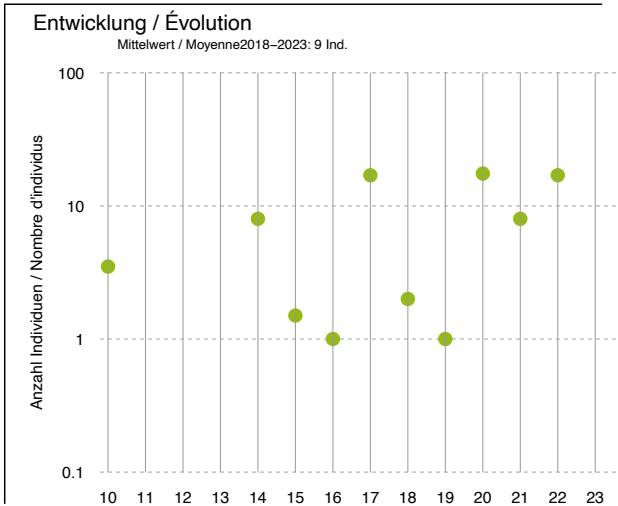
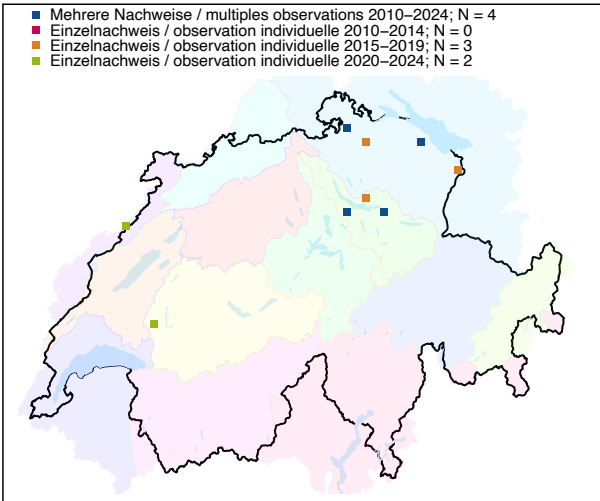
Gewässerordnungszahl / Ordre du cours d'eau



5828 *Hydropsyche angustipennis*

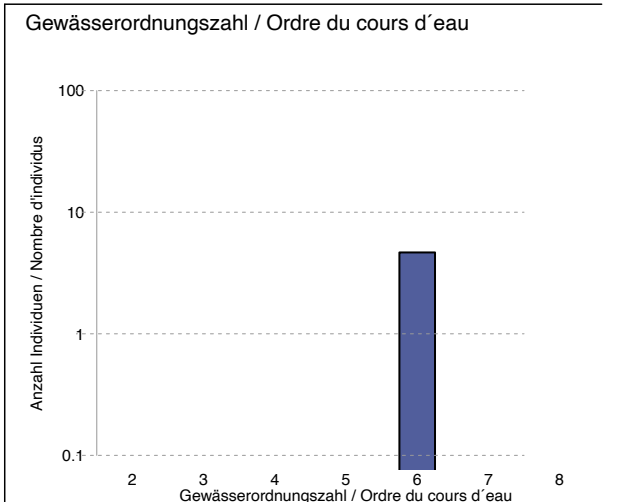
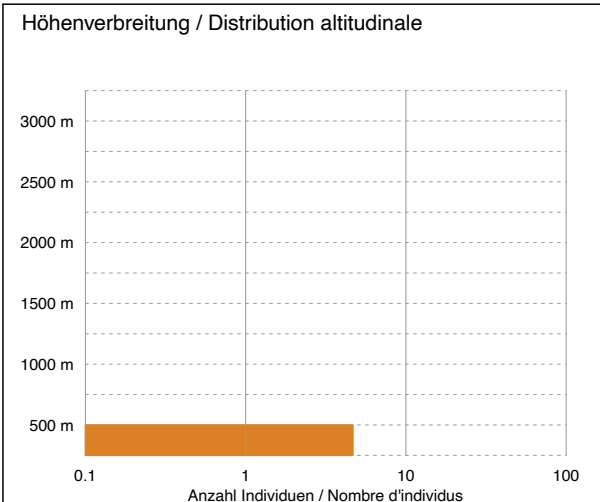
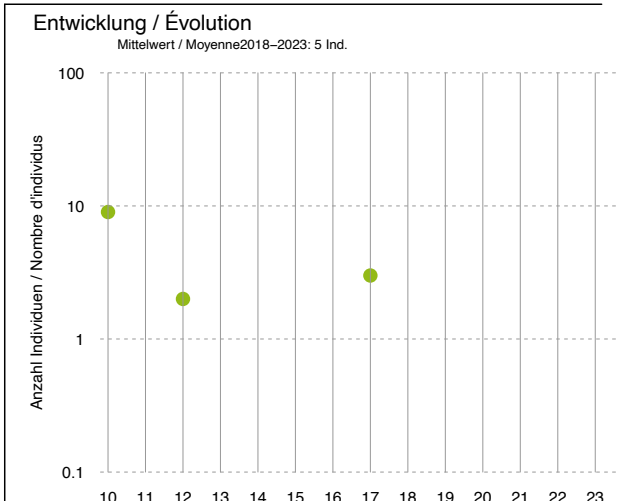
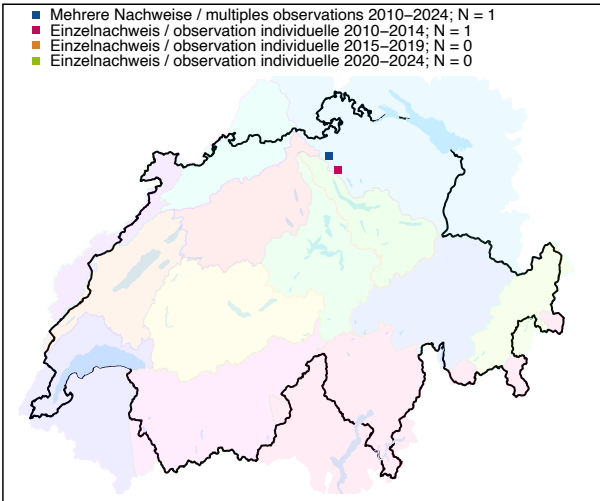
Hydropsychidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5830 *Hydropsyche contubernalis*
Hydropsychidae

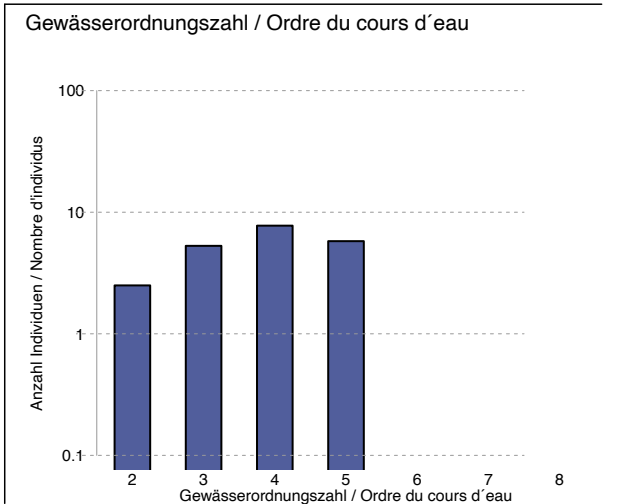
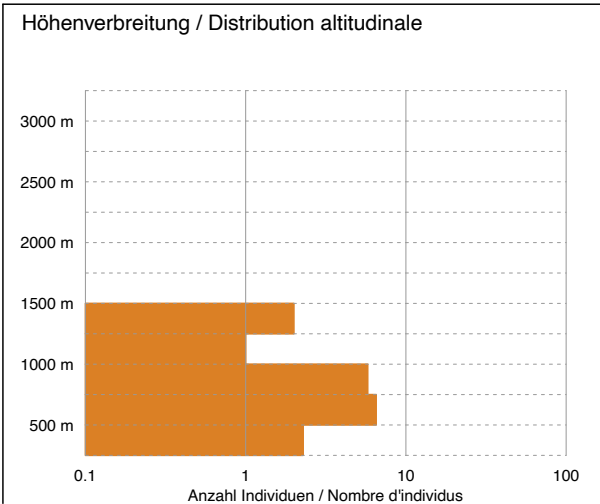
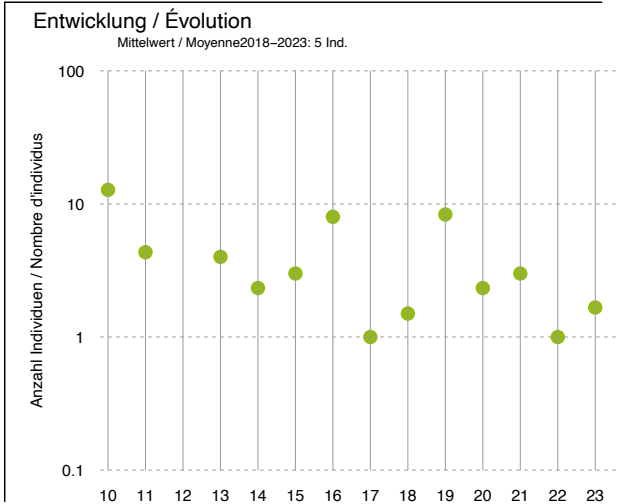
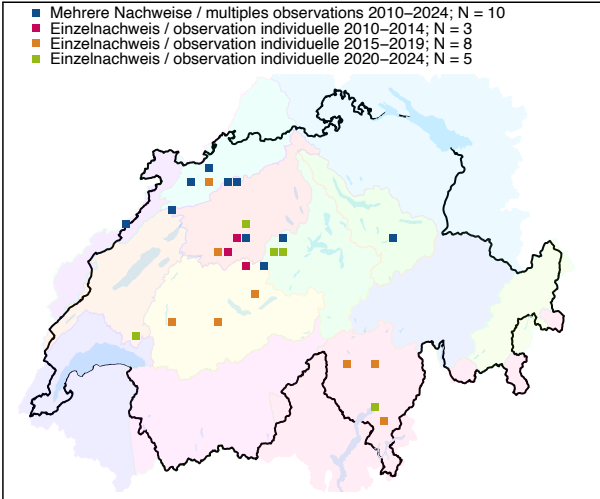
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5831 *Hydropsyche dinarica*
Hydropsychidae

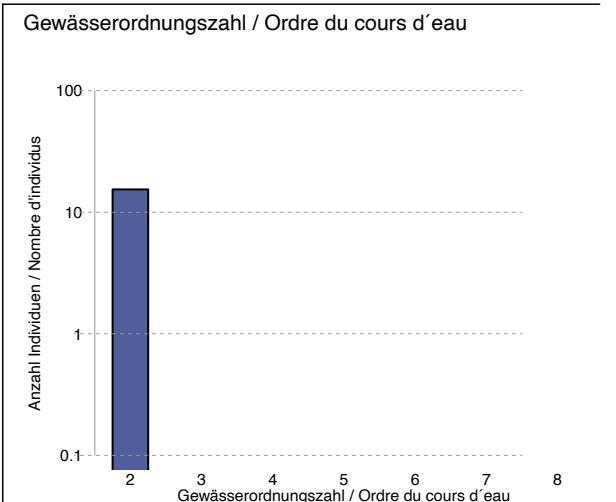
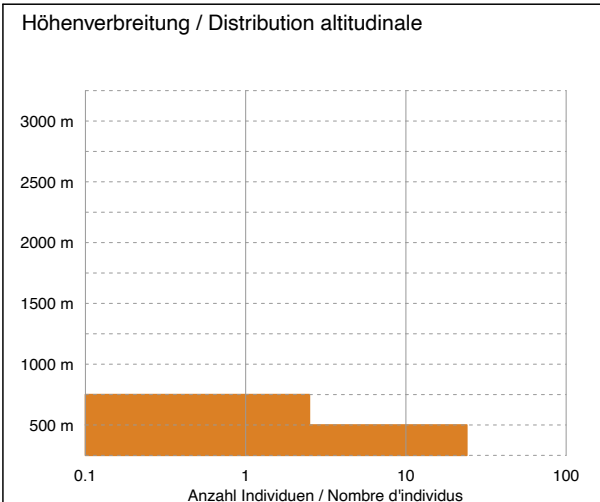
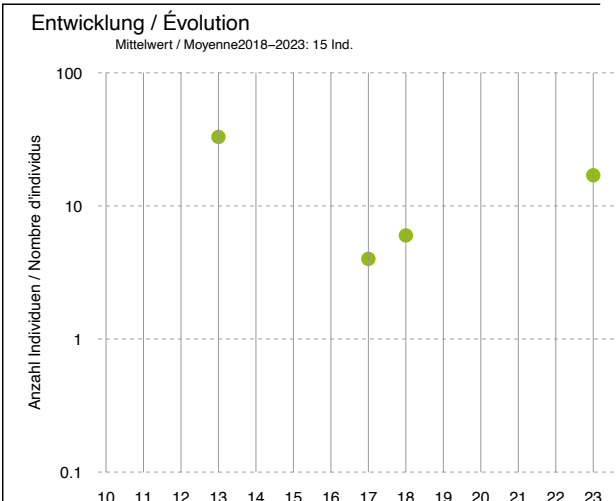
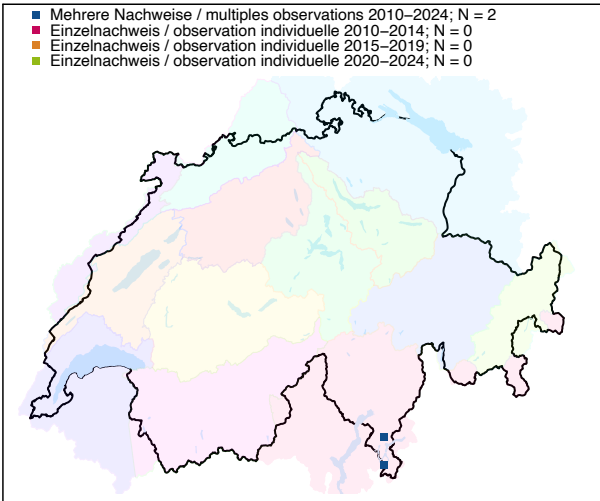
Status (RL / Prio): - / -

Indikatorgruppe: NA



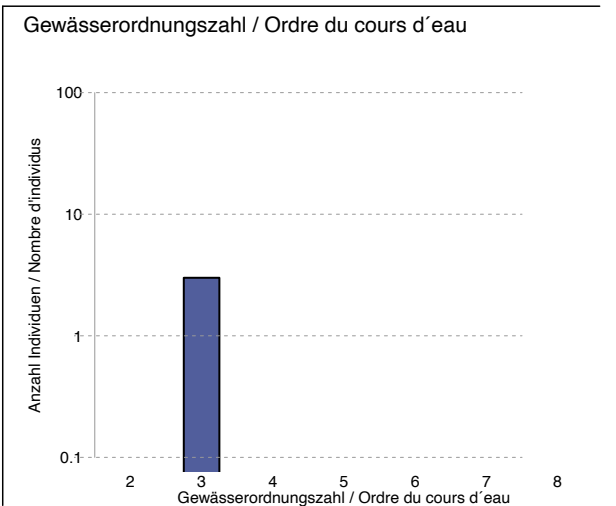
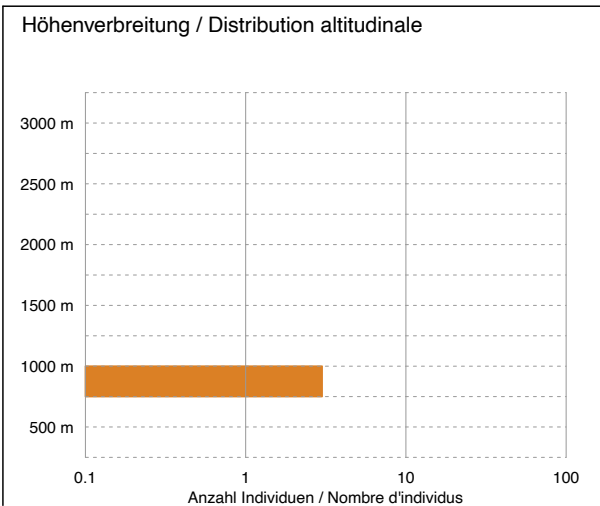
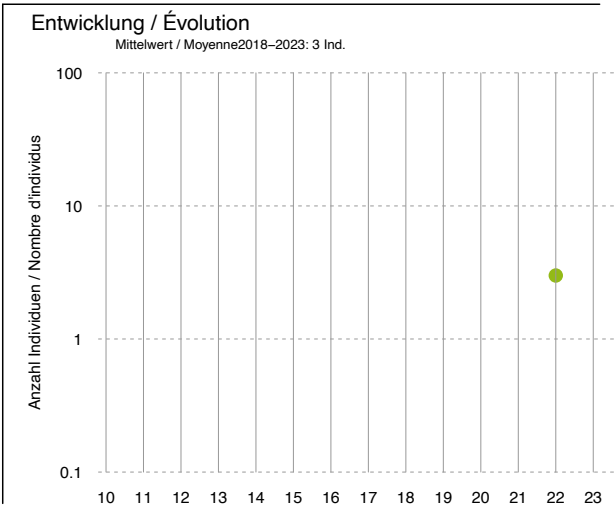
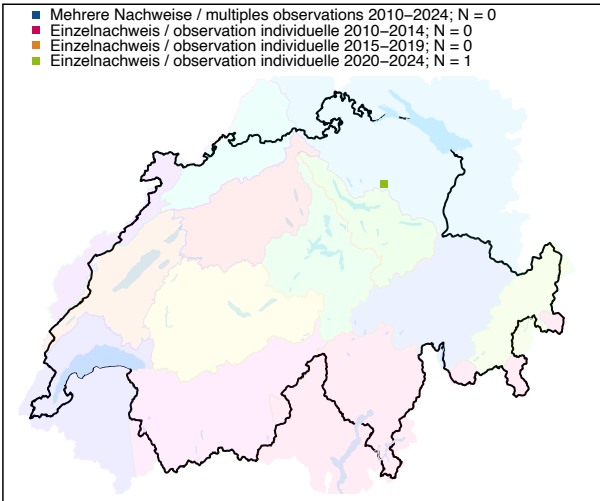
5832 *Hydropsyche doehleri*
Hydropsychidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



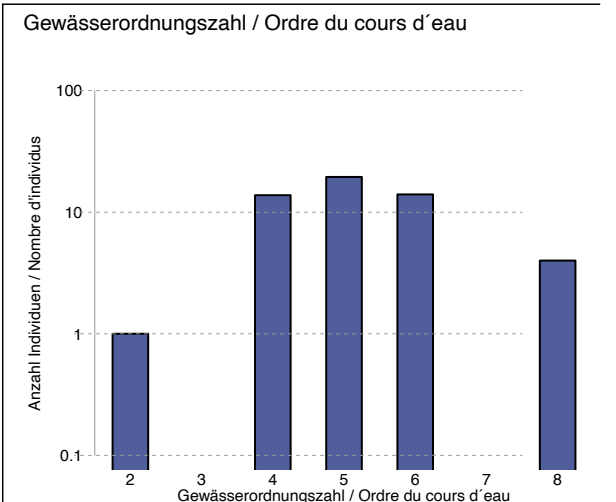
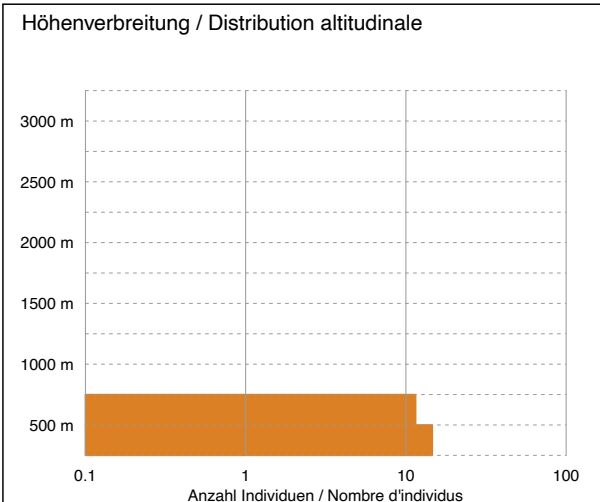
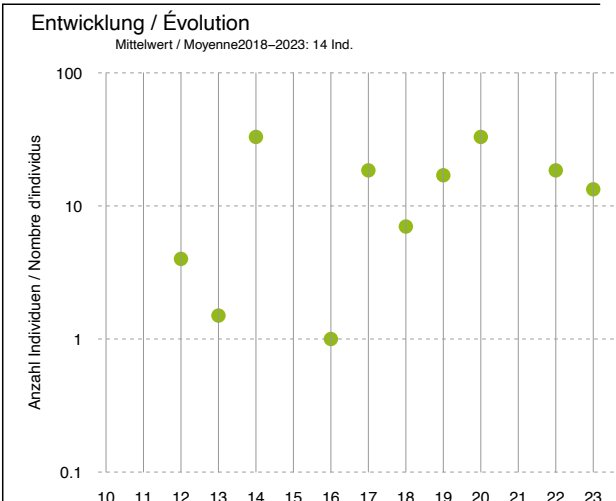
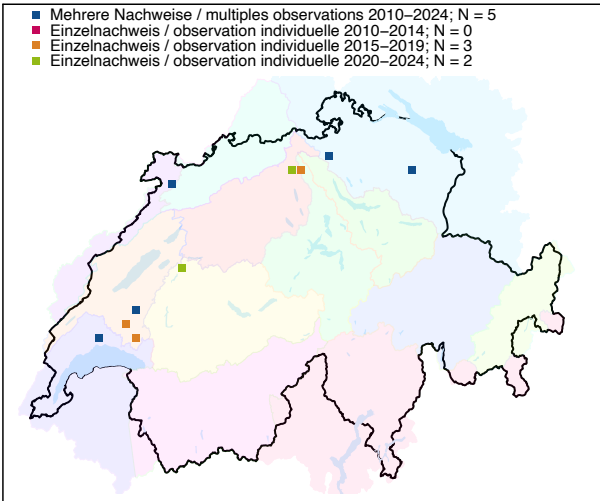
5834 *Hydropsyche fulvipes*
Hydropsychidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



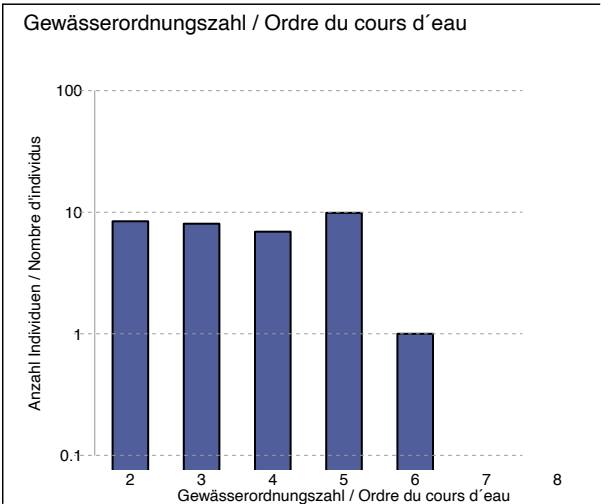
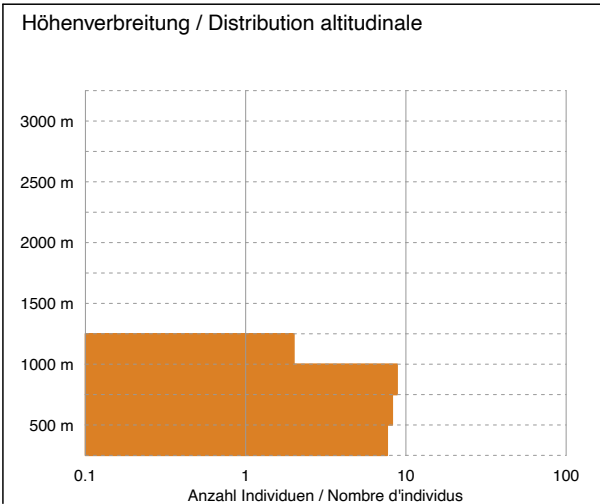
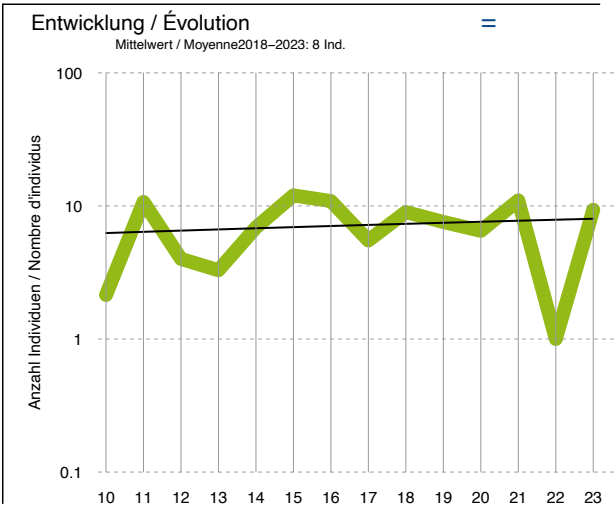
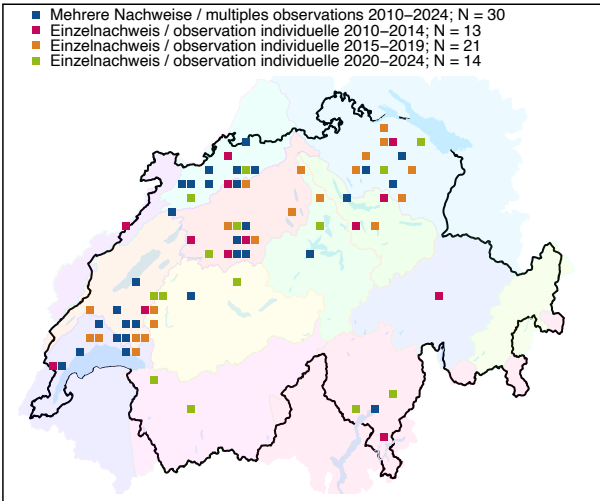
5836 *Hydropsyche incognita*
Hydropsychidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5837 *Hydropsyche instabilis*
Hydropsychidae

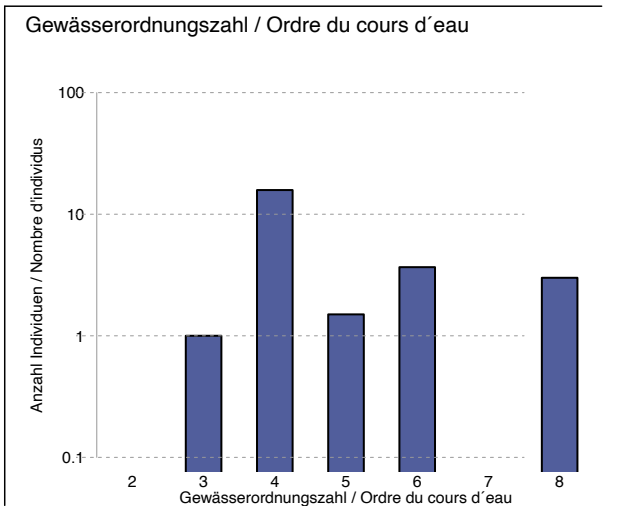
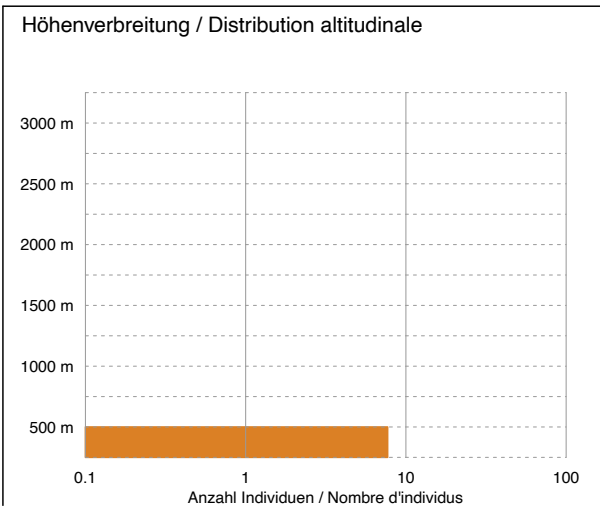
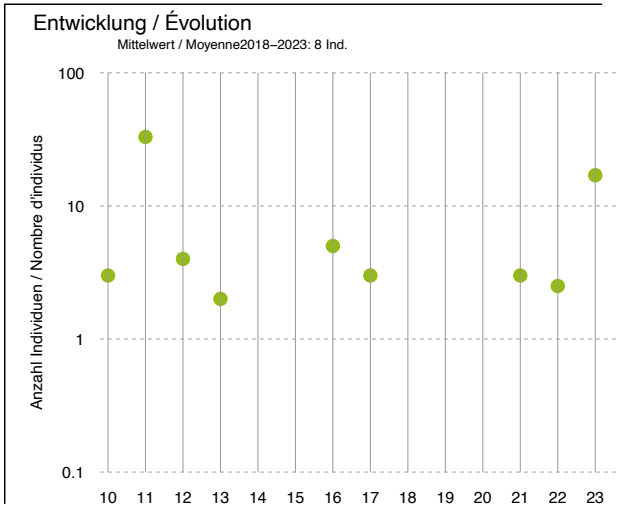
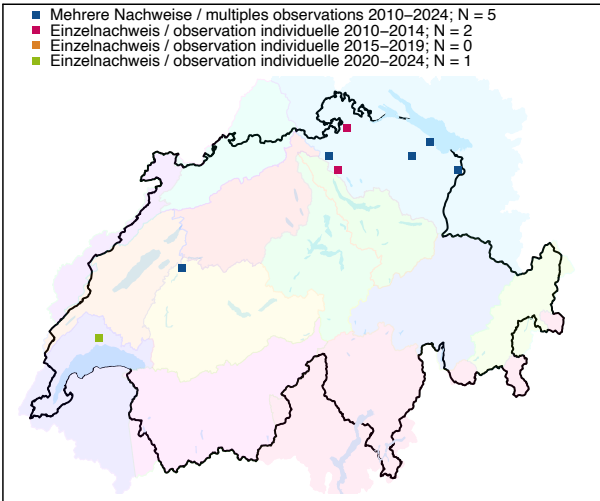
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5840 *Hydropsyche pellucidula*
Hydropsychidae

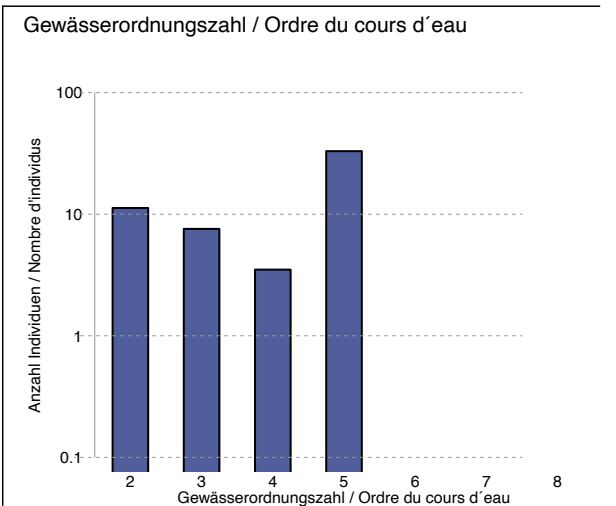
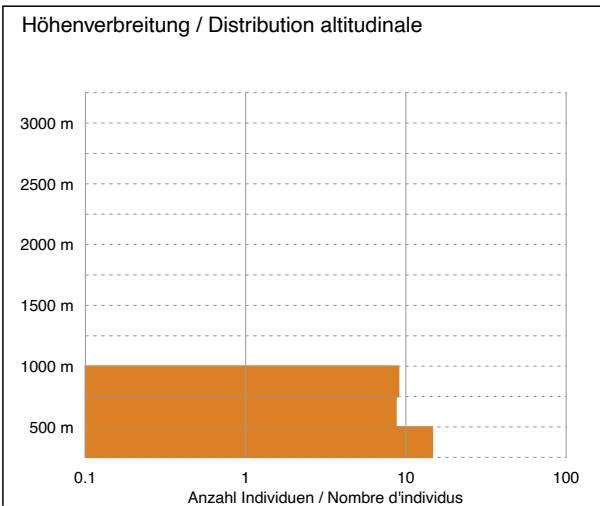
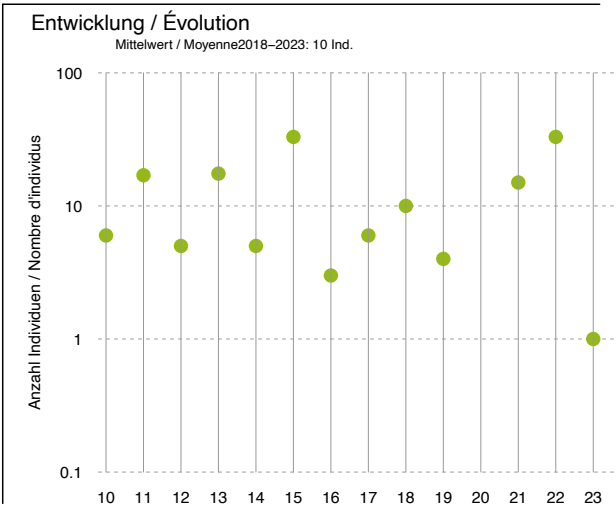
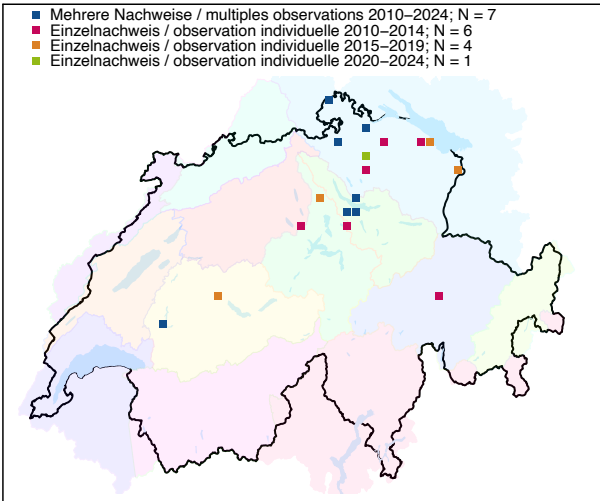
Status (RL / Prio): - / -

Indikatorgruppe: NA



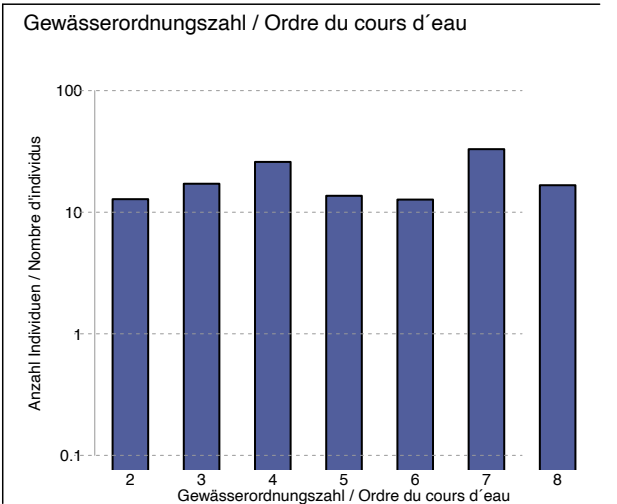
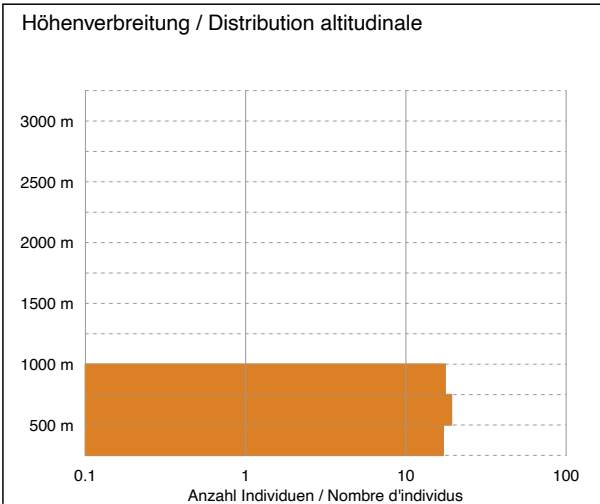
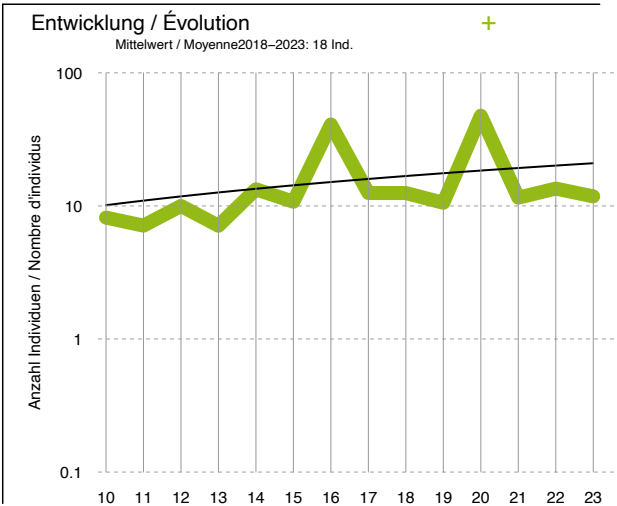
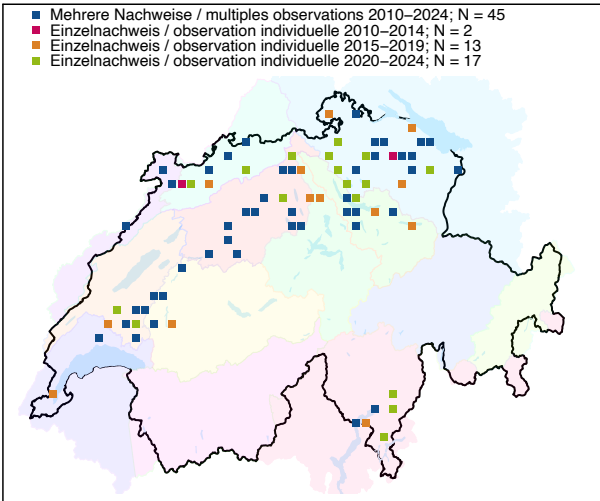
5841 *Hydropsyche saxonica*
Hydropsychidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



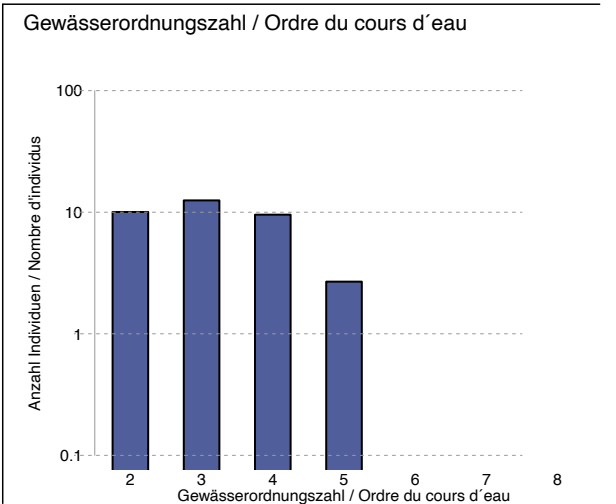
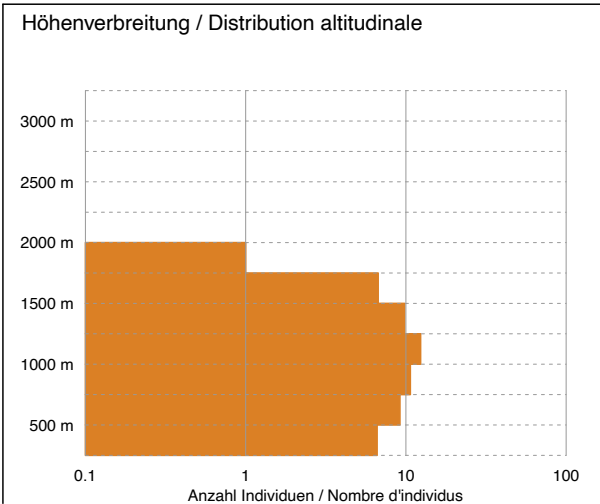
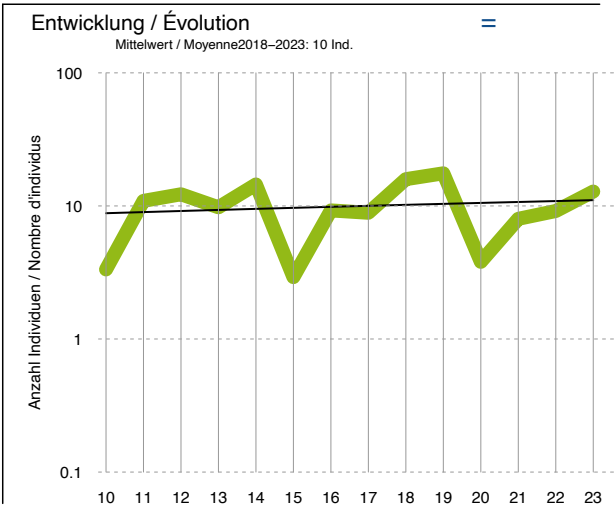
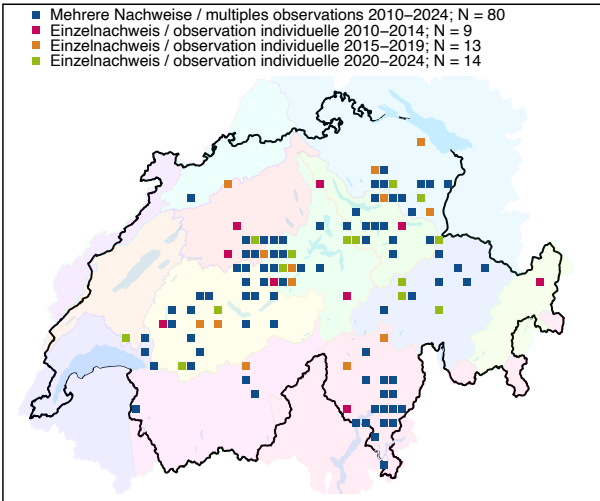
5842 *Hydropsyche siltalai*
Hydropsychidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	3



5843 *Hydropsyche tenuis*
Hydropsychidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	3



5861 *Hydroptila* –Komplex

Hydroptilidae

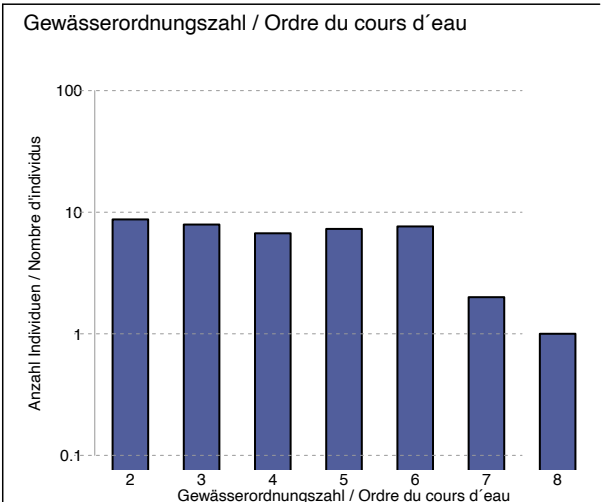
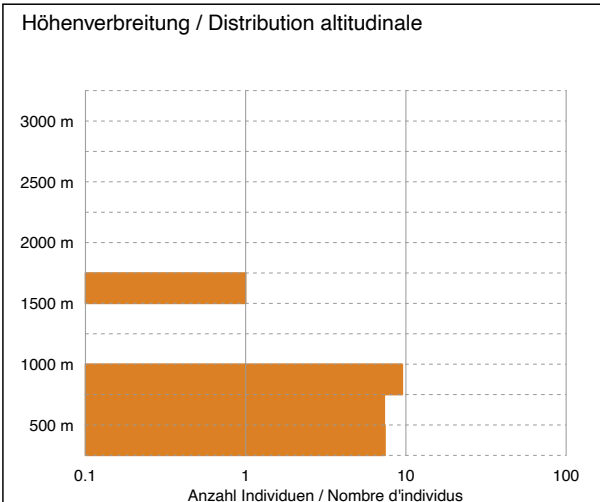
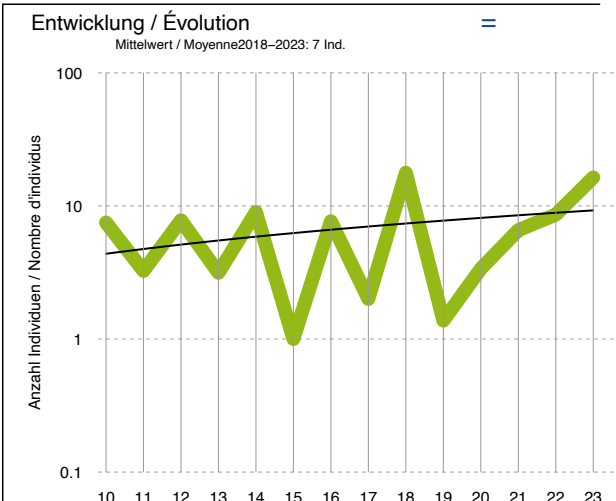
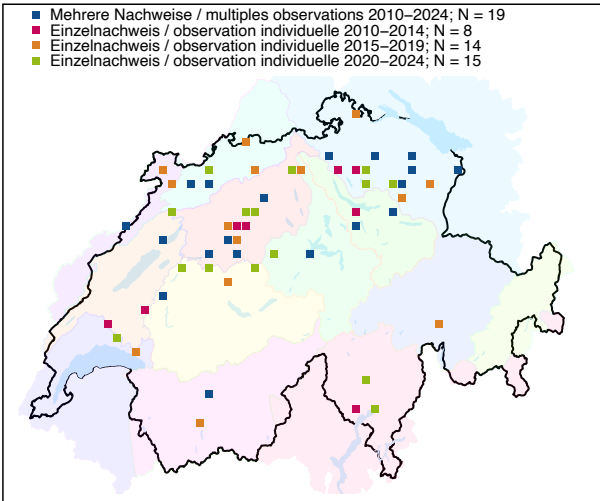
angulata, brissaga, dampfi, forcipata

insubrica, ivisa, martini, occulta

pulchricornis, rheni, simulans, sparsa

tigurina, tineoides, valesiaca, vectis

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5865 *Ithytrichia* –Komplex

Hydroptilidae

clavata, lamellaris

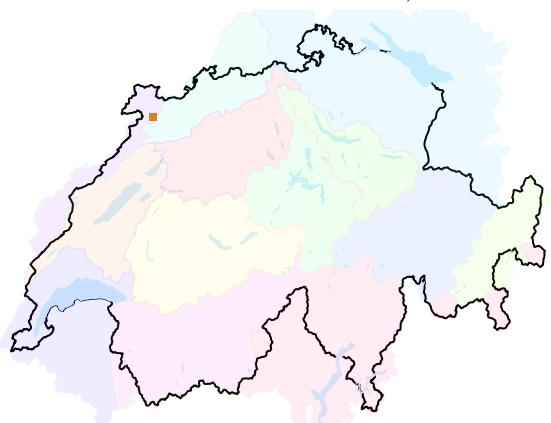
Status (RL / Prio):

– / –

Indikatorgruppe:

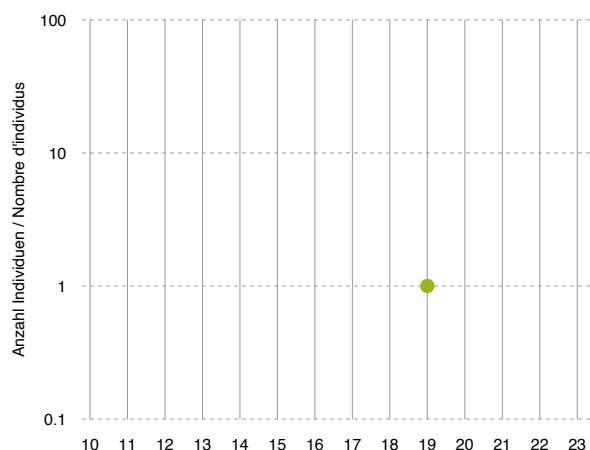
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 1
- Einzelnachweis / observation individuelle 2020–2024; N = 0

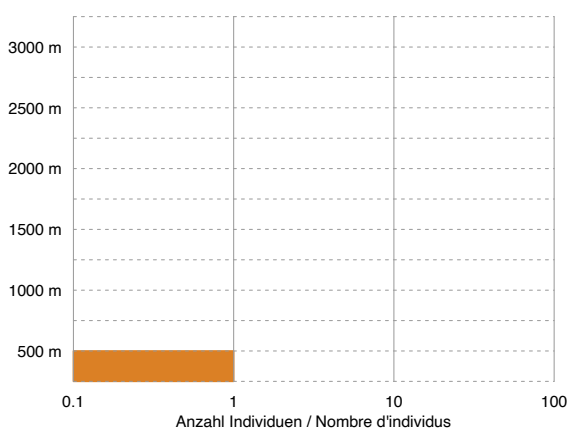


Entwicklung / Évolution

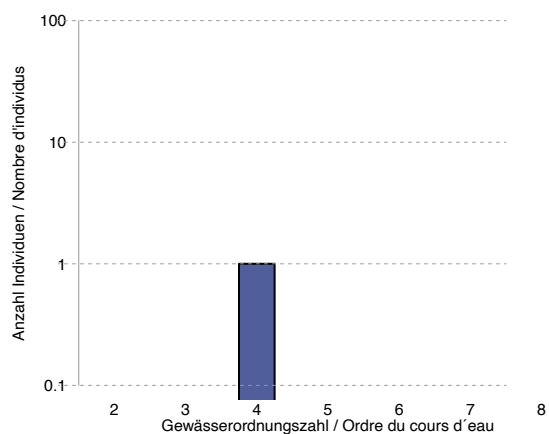
Mittelwert / Moyenne 2018–2023: 1 Ind.



Höhenverbreitung / Distribution altitudinale

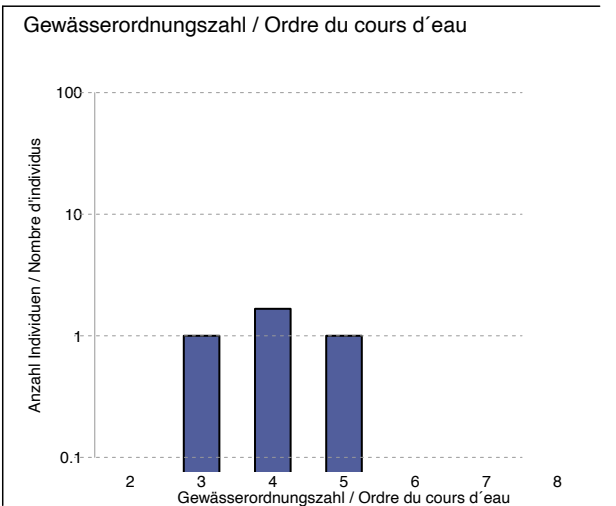
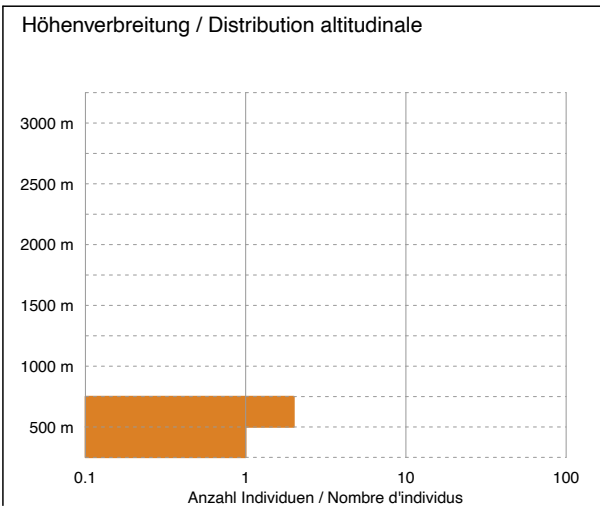
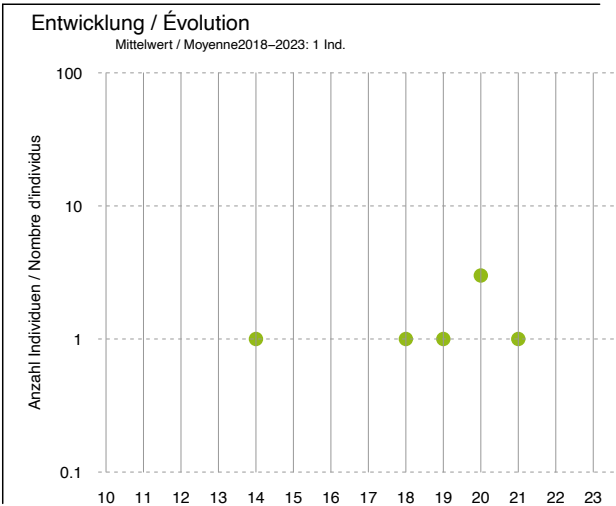
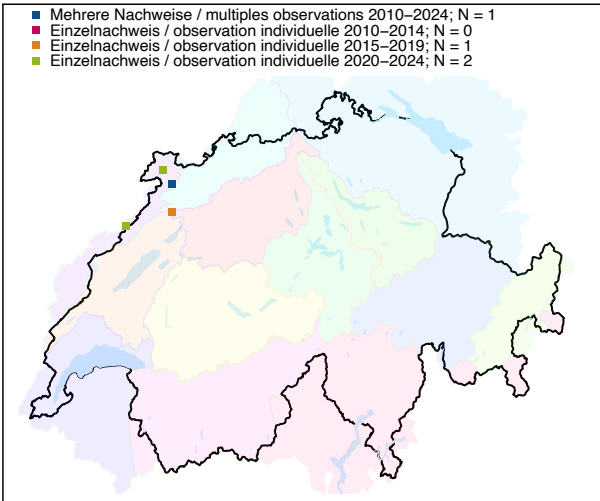


Gewässerordnungszahl / Ordre du cours d'eau



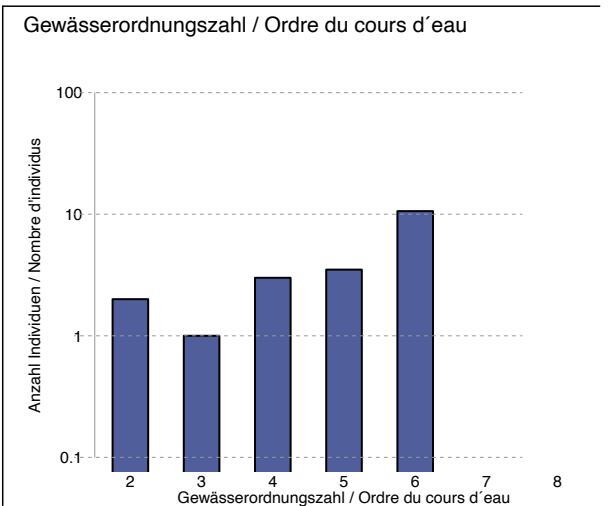
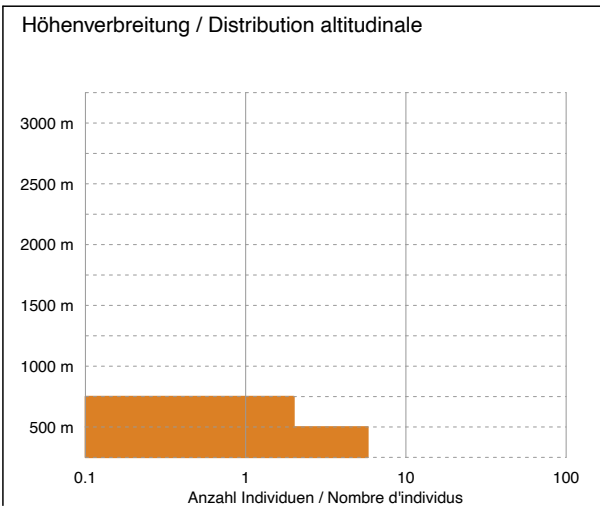
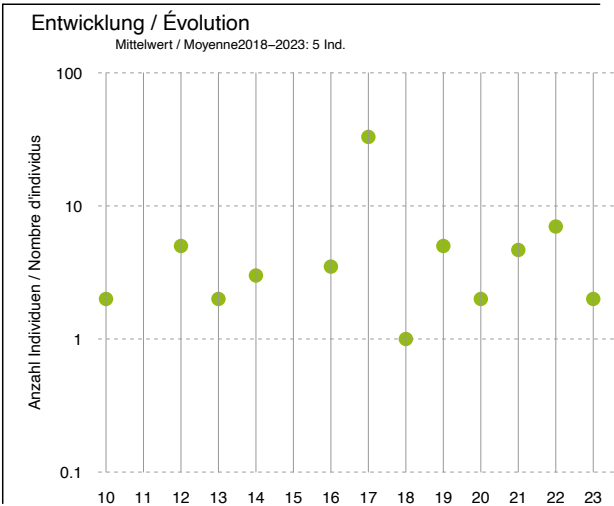
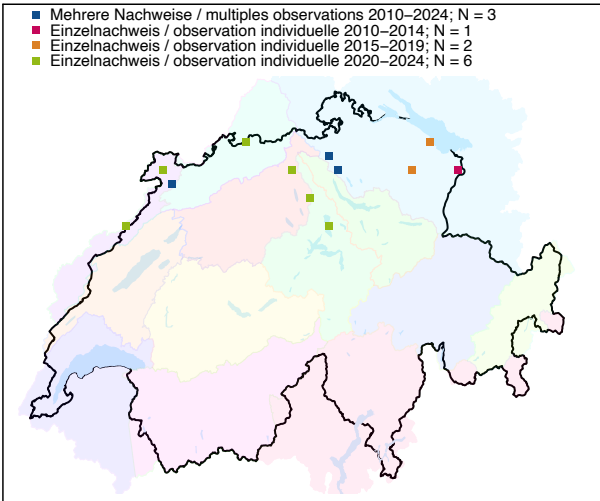
5866 *Lepidostoma basale*
Lepidostomatidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5867 *Lepidostoma hirtum*
Lepidostomatidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA

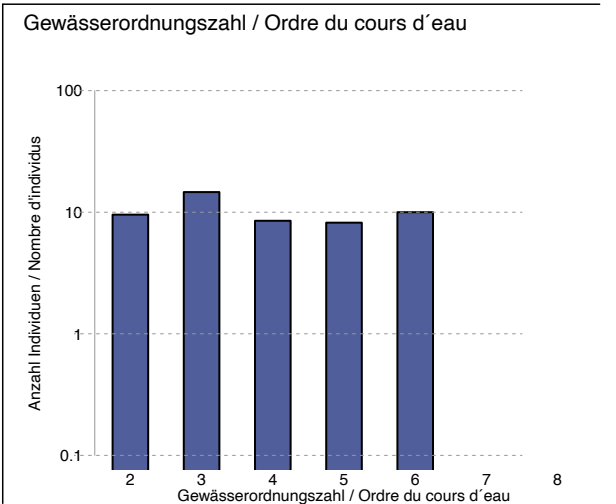
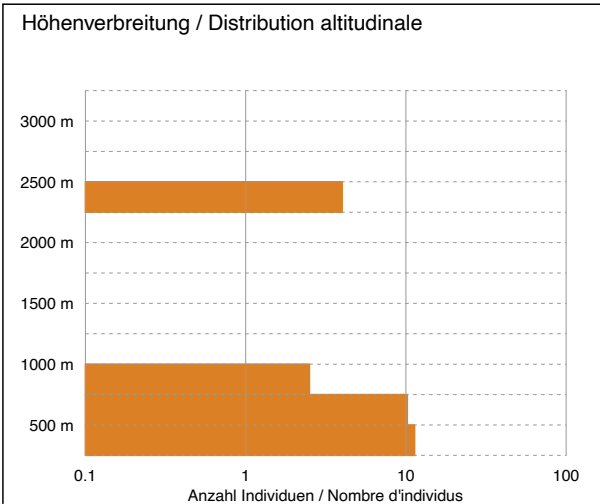
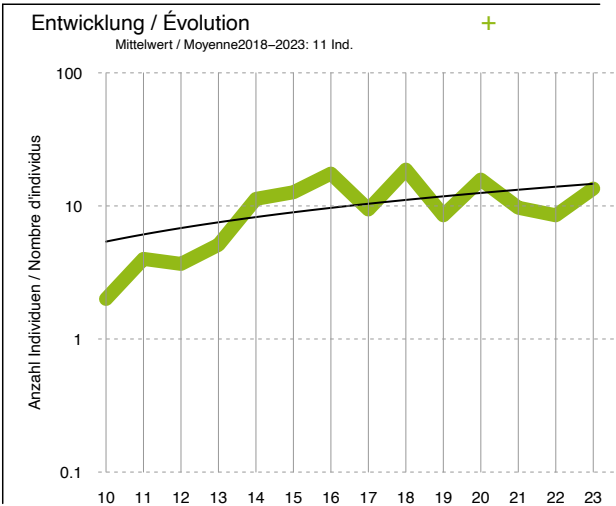
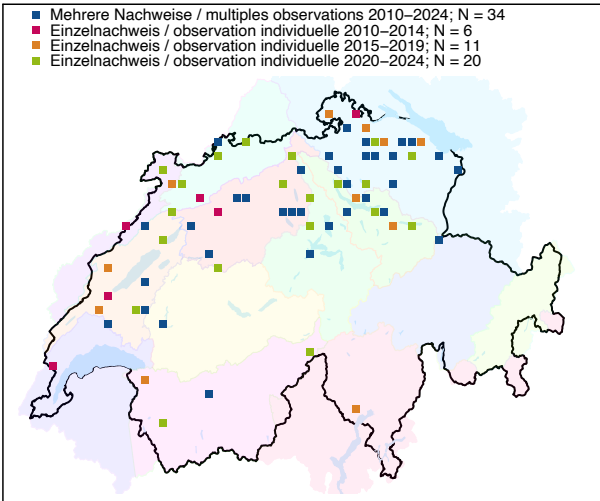


5872 Limnephilini –Komplex

Limnephilidae

affinis, algosus, alpestris, aspersus
auricula, binotatus, bipunctatus, borealis
brevipennis, centralis, coenosus, decipiens
elegans, extricatus, flavicornis, flavospinosus
furcata, germanus, griseus, helveticus
hirsutus, ignavus, impunctatus, incisus
italicus, lombarda, lunatus, marmoratus
nervosa, nigriceps, nigropunctatus, politus
rhombicus, sericeus, sparsus, stigma
subcentralis, vittatus

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5903 *Lithax niger* Goeridae

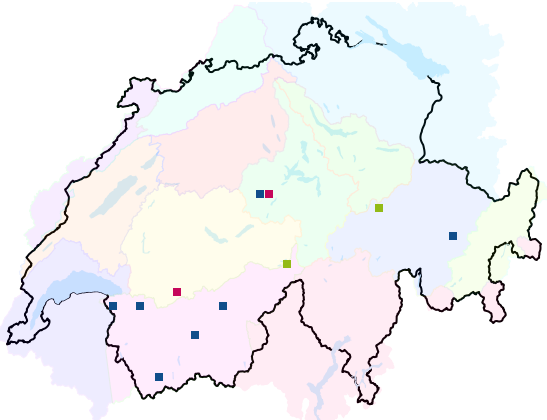
Status (RL / Prio):

– / –

Indikatorgruppe:

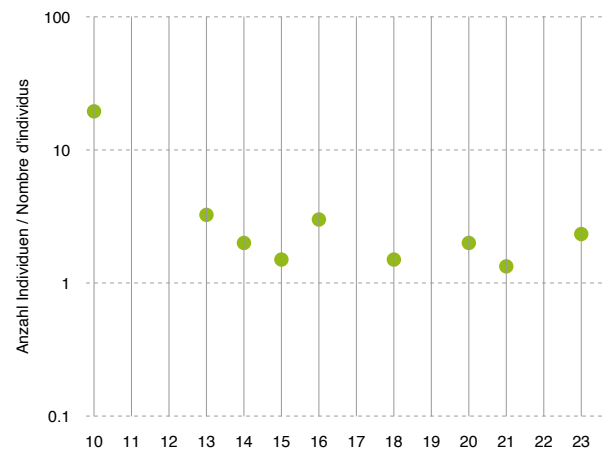
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 7
- Einzelnachweis / observation individuelle 2010–2014; N = 2
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 2

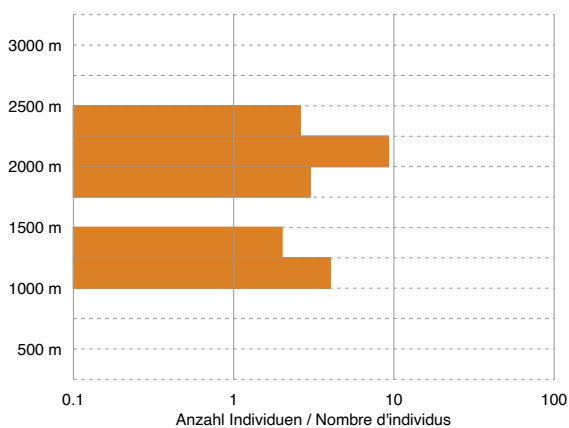


Entwicklung / Évolution

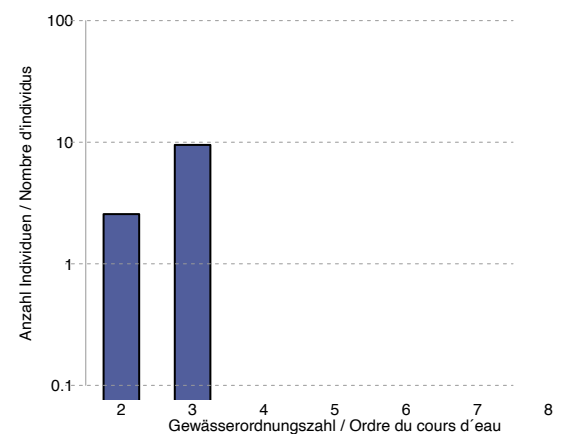
Mittelwert / Moyenne 2018–2023: 4 Ind.



Höhenverbreitung / Distribution altitudinale

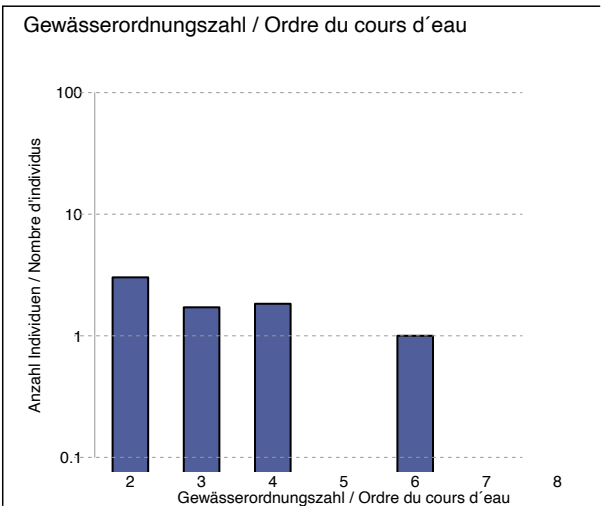
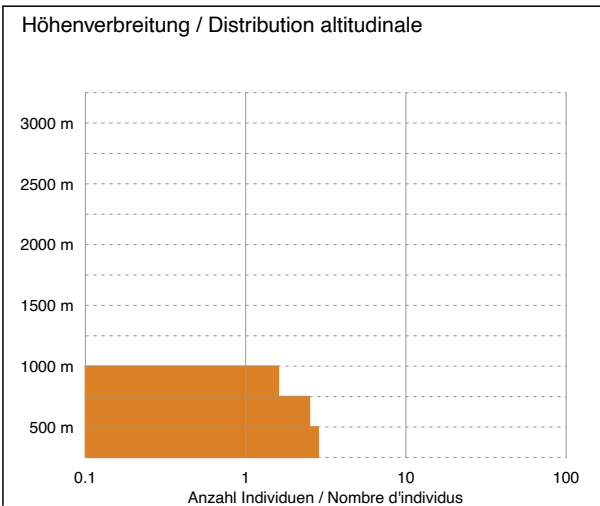
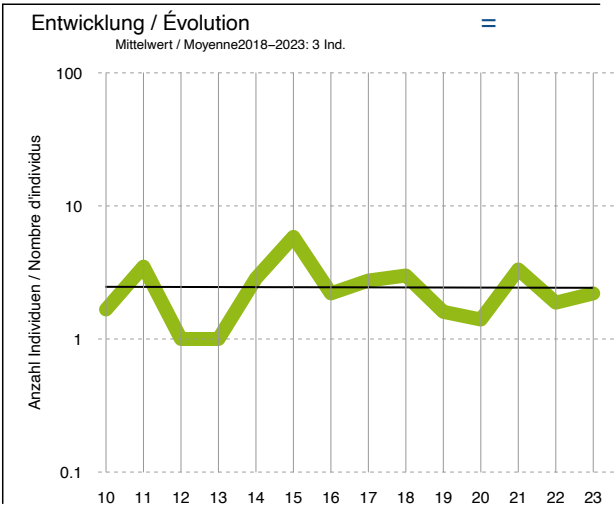
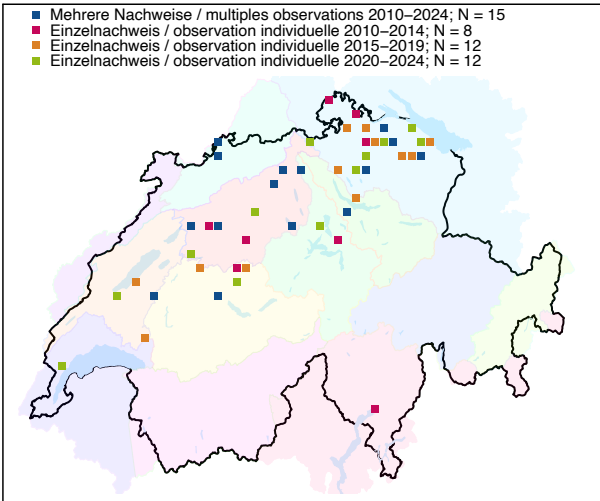


Gewässerordnungszahl / Ordre du cours d'eau



5906 *Lype reducta*
Psychomyiidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5908 *Melampophylax mucoreus*
Limnephilidae

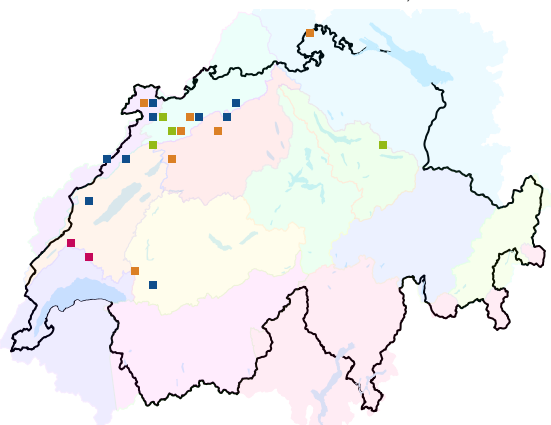
Status (RL / Prio):

– / –

Indikatorgruppe:

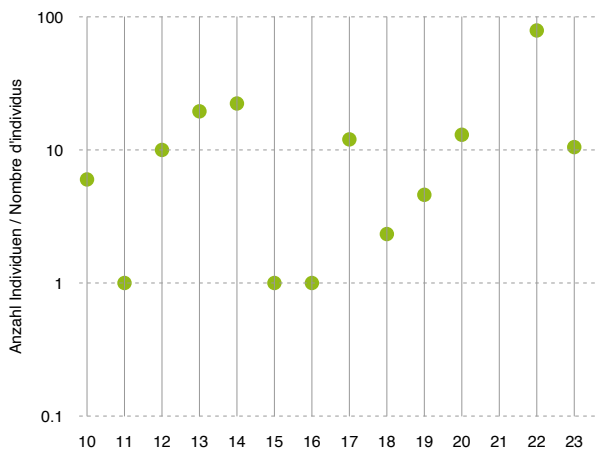
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 9
- Einzelnachweis / observation individuelle 2010–2014; N = 2
- Einzelnachweis / observation individuelle 2015–2019; N = 7
- Einzelnachweis / observation individuelle 2020–2024; N = 4

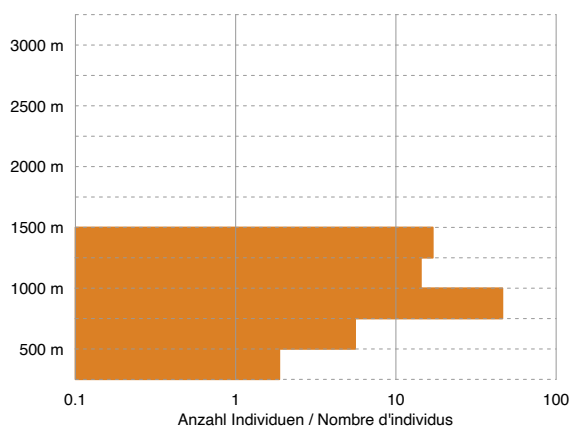


Entwicklung / Évolution

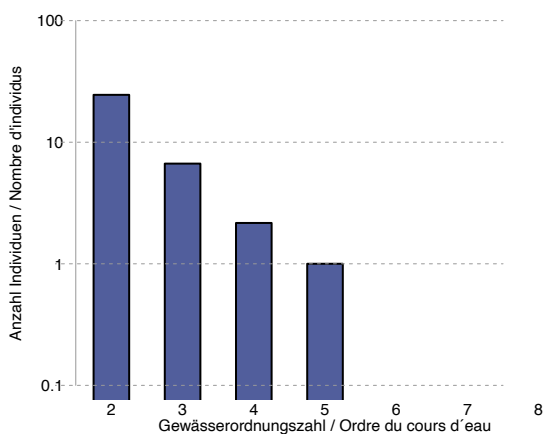
Mittelwert / Moyenne 2018–2023: 15 Ind.



Höhenverbreitung / Distribution altitudinale

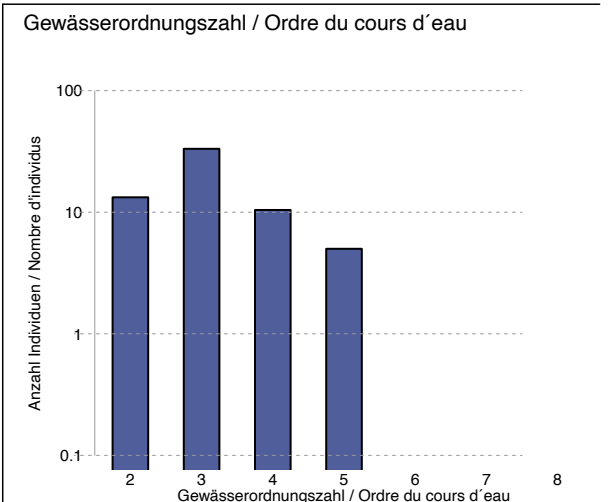
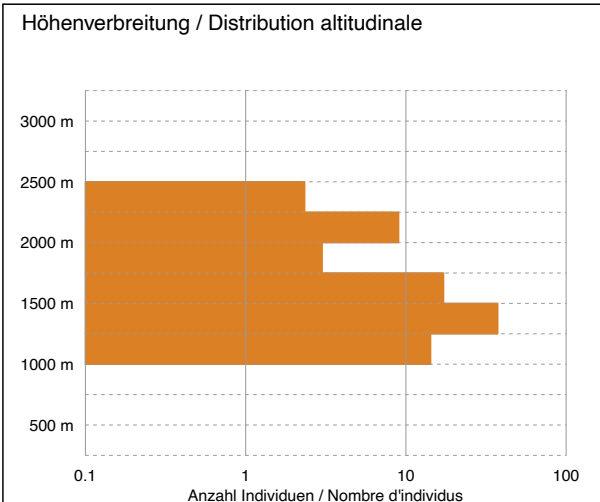
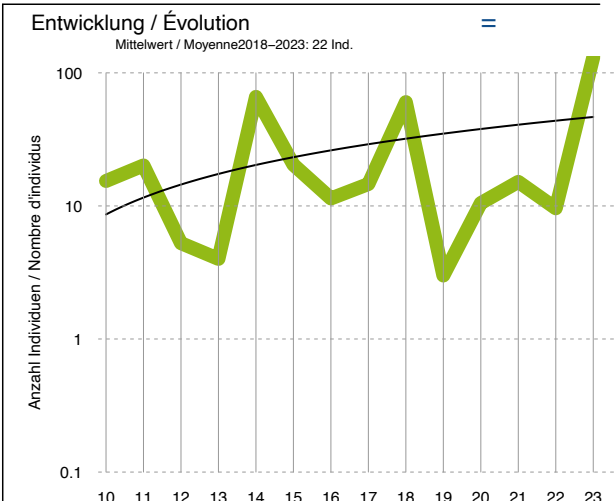
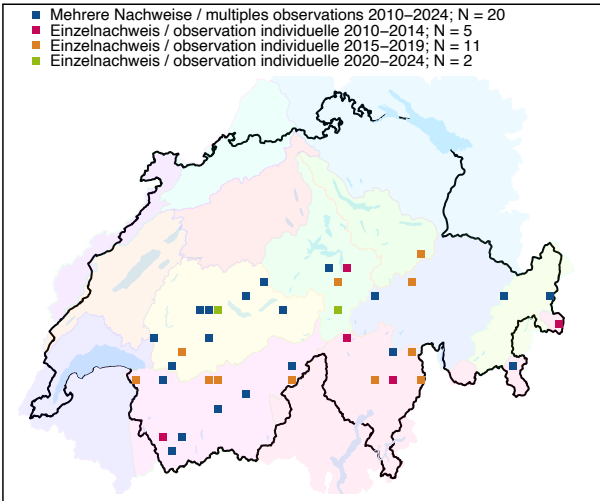


Gewässerordnungszahl / Ordre du cours d'eau



5911 *Metanoea flavipennis*
Limnephilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5912 *Metanoea rhaetica* *Limnephilidae*

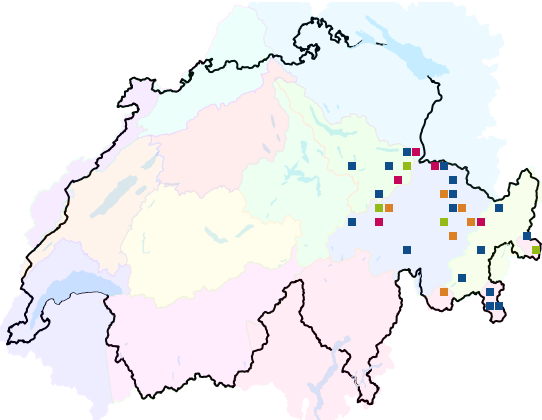
Status (RL / Prio):

– / –

Indikatorgruppe:

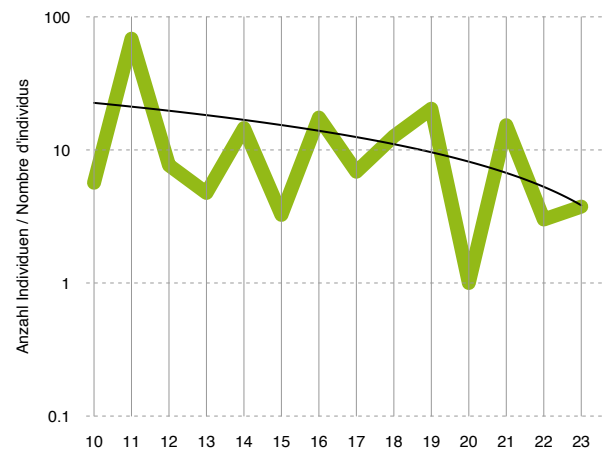
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 17
- Einzelnachweis / observation individuelle 2010–2014; N = 5
- Einzelnachweis / observation individuelle 2015–2019; N = 6
- Einzelnachweis / observation individuelle 2020–2024; N = 4

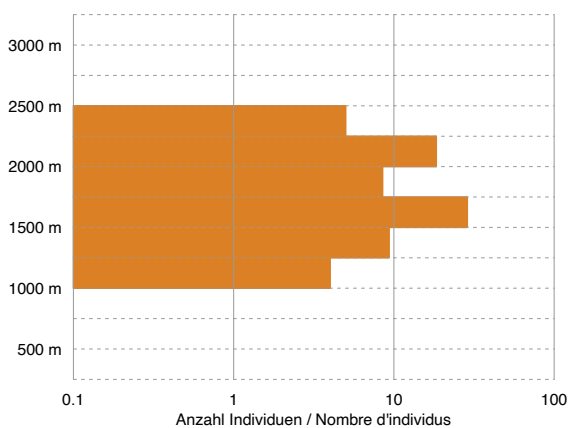


Entwicklung / Évolution

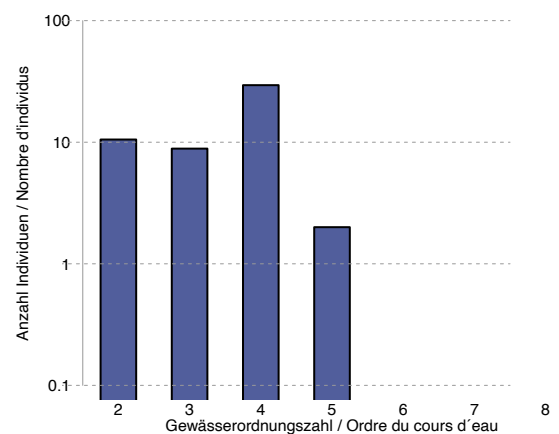
Mittelwert / Moyenne 2018–2023: 14 Ind.



Höhenverbreitung / Distribution altitudinale

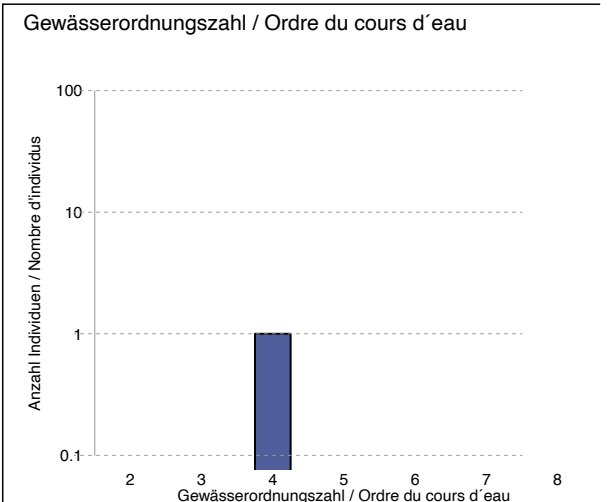
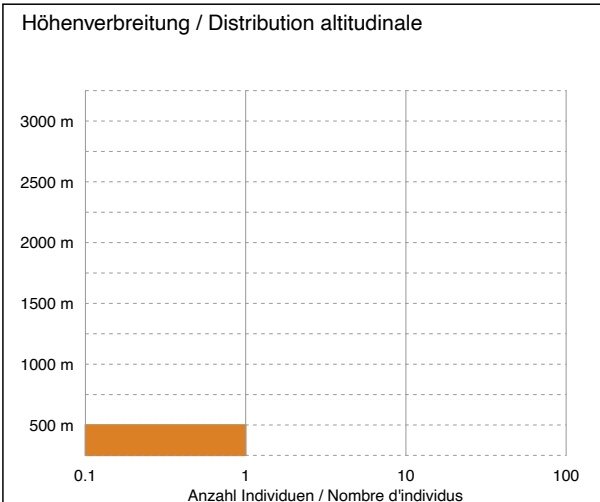
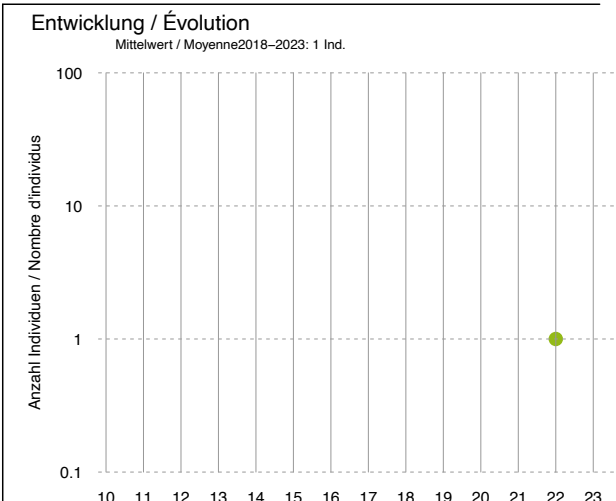
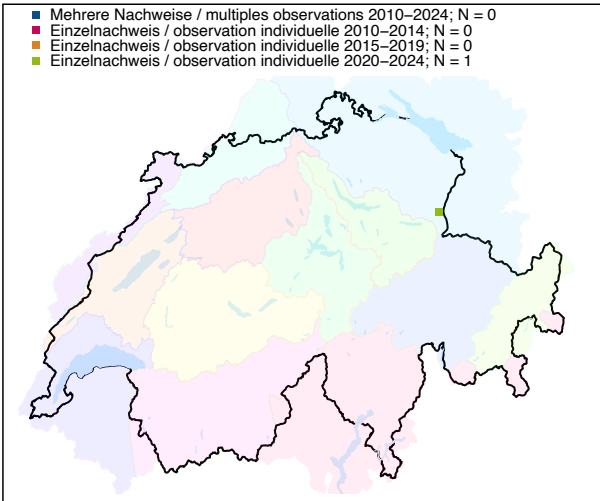


Gewässerordnungszahl / Ordre du cours d'eau



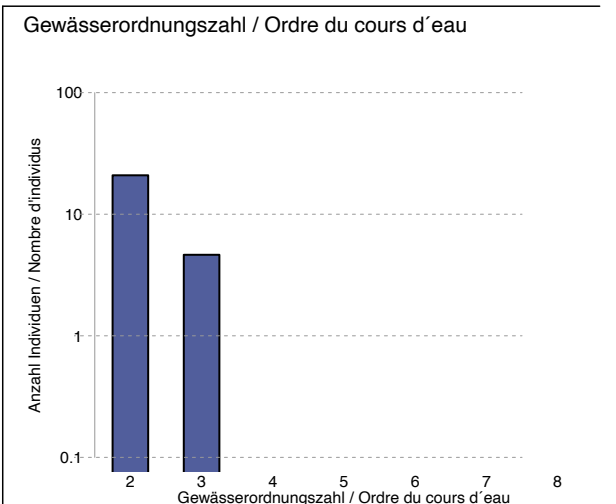
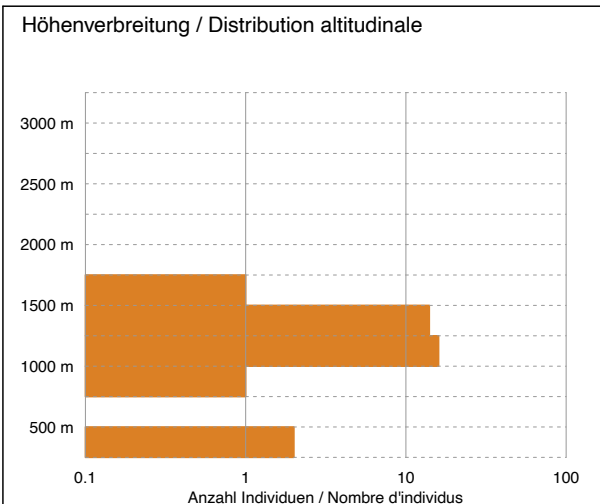
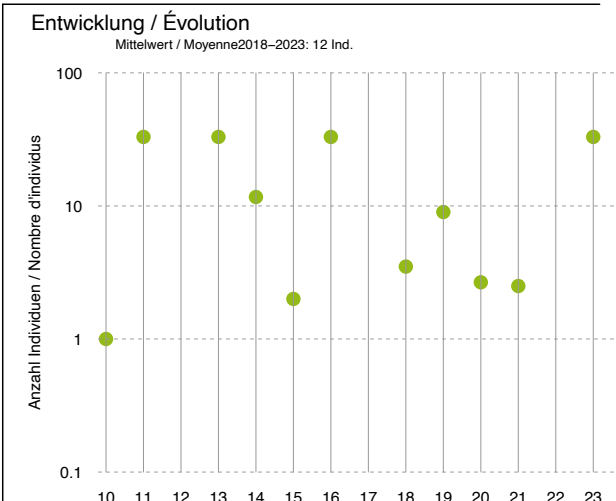
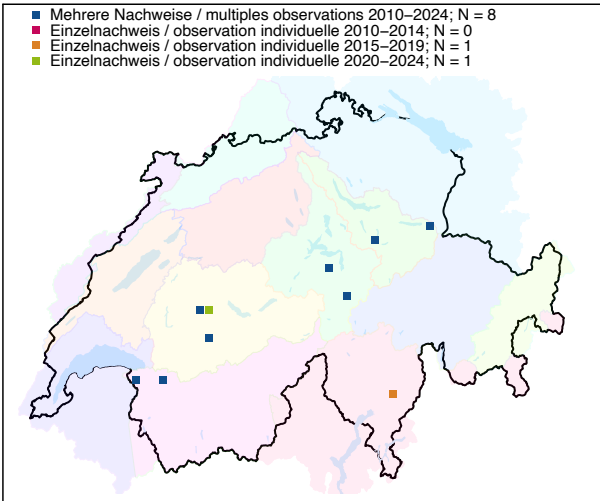
5915 *Micrasema minimum*
Brachycentridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



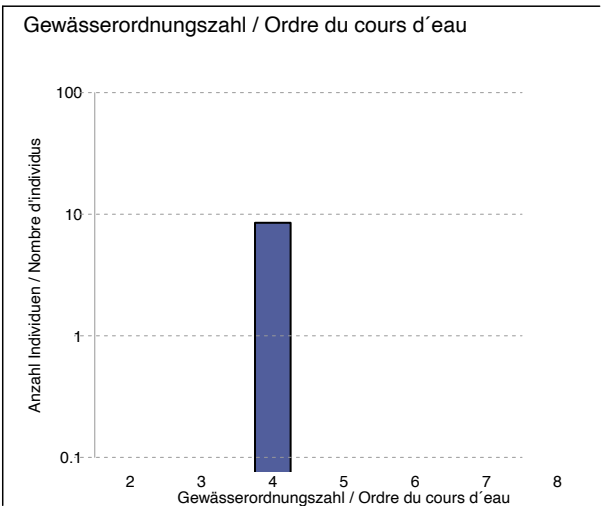
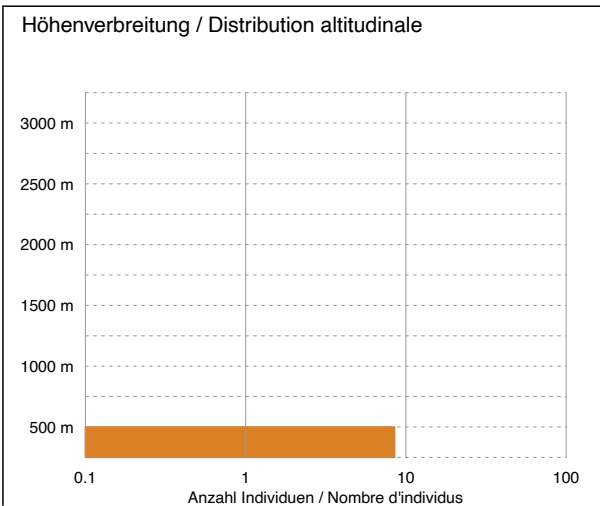
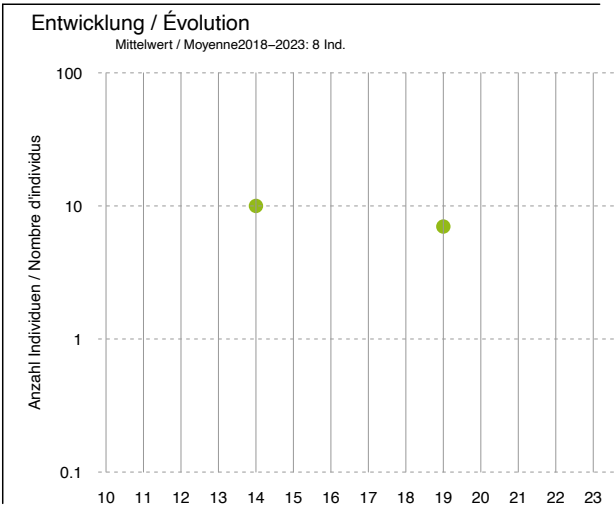
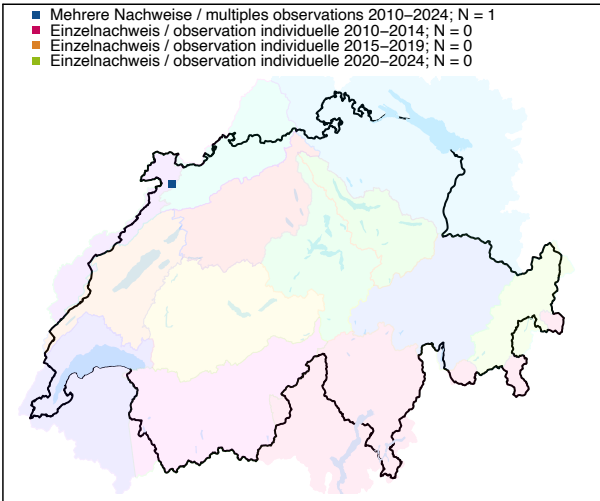
5916 *Micrasema morosum*
Brachycentridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



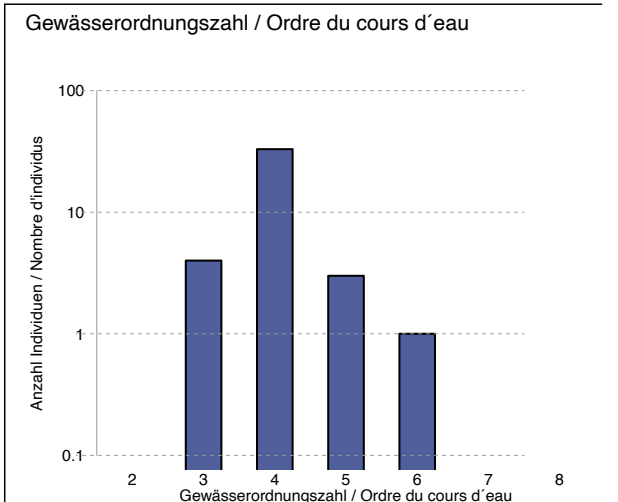
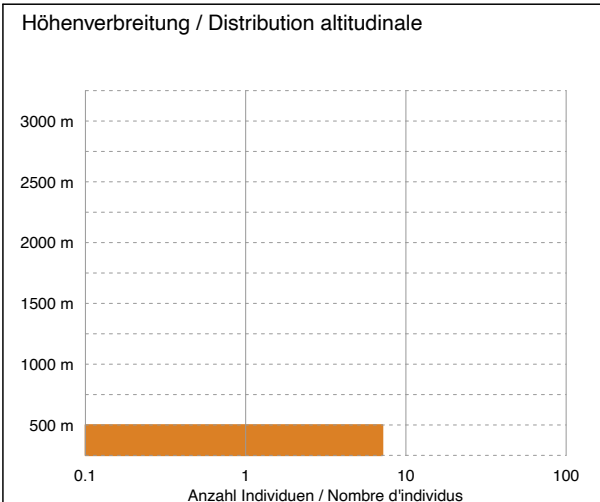
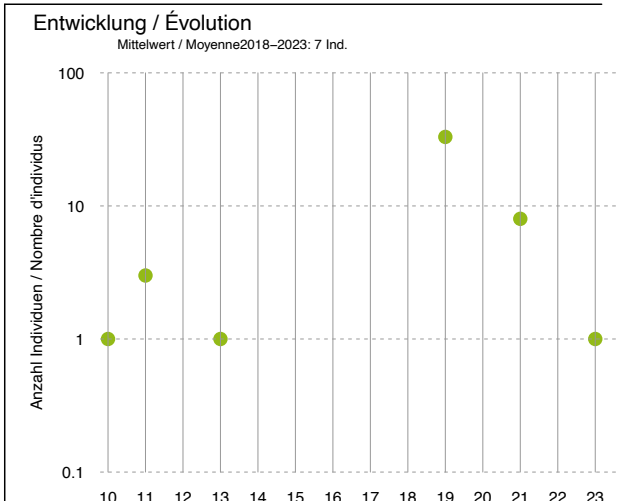
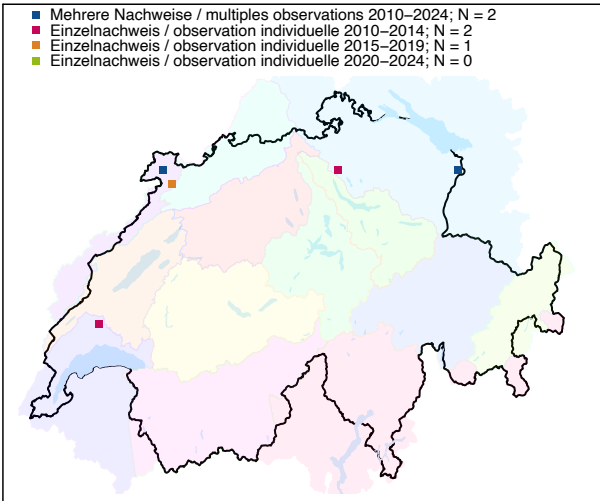
5917 *Micrasema setiferum*
Brachycentridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



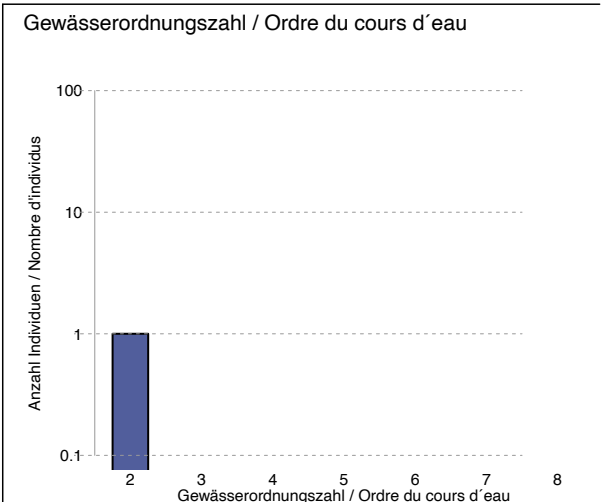
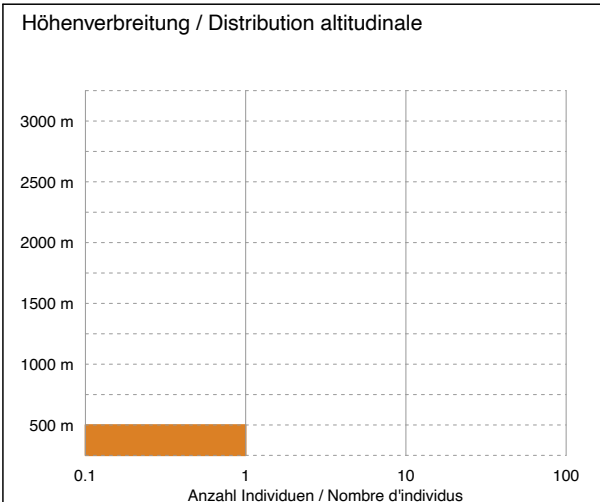
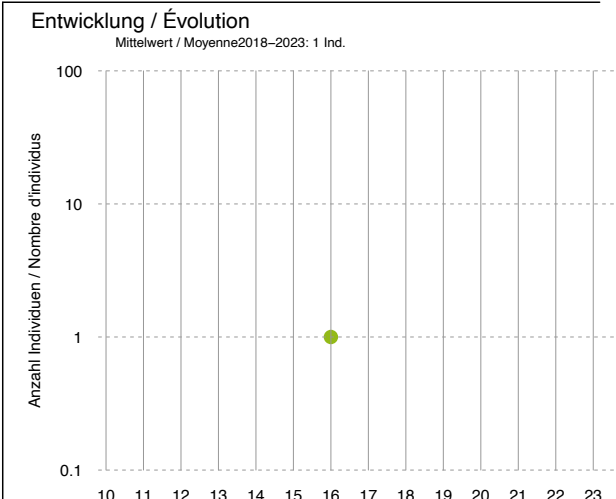
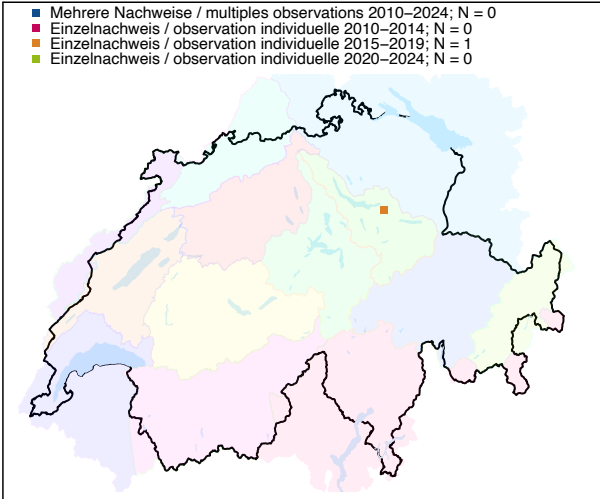
5926 *Mystacides azurea*
Leptoceridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5927 *Mystacides longicornis*
Leptoceridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA

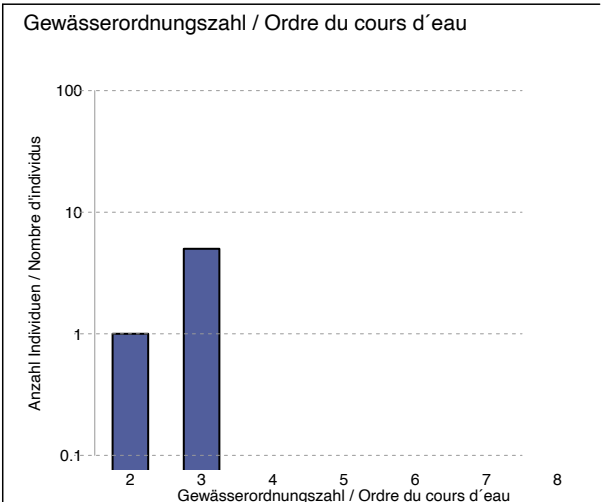
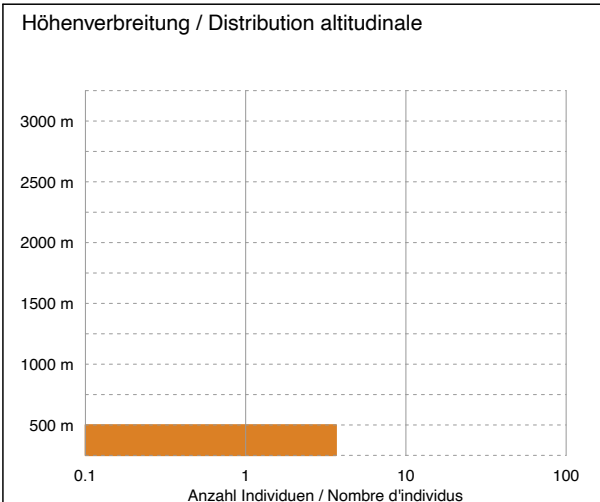
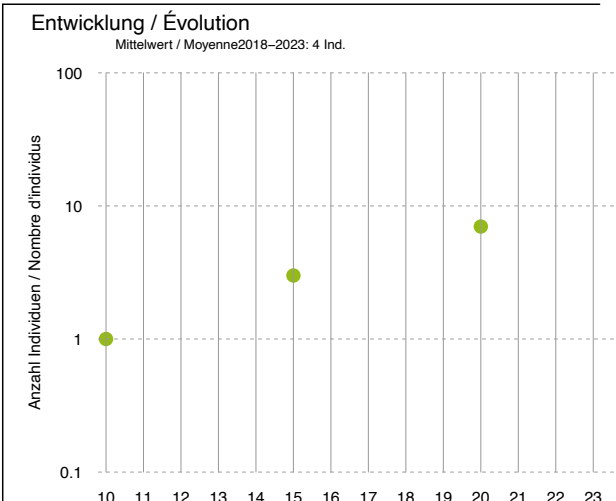
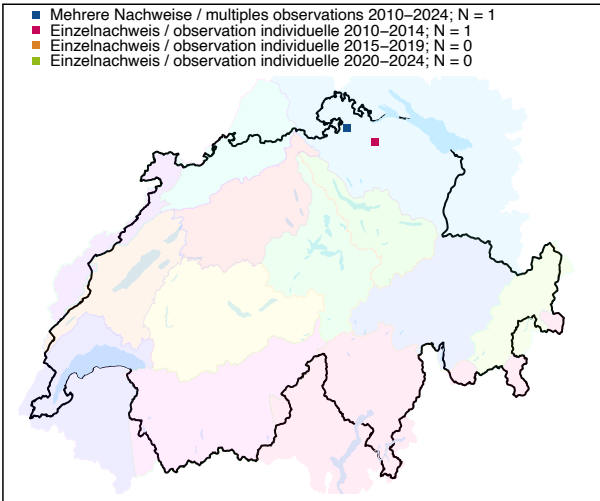


5931

Notidobia ciliaris

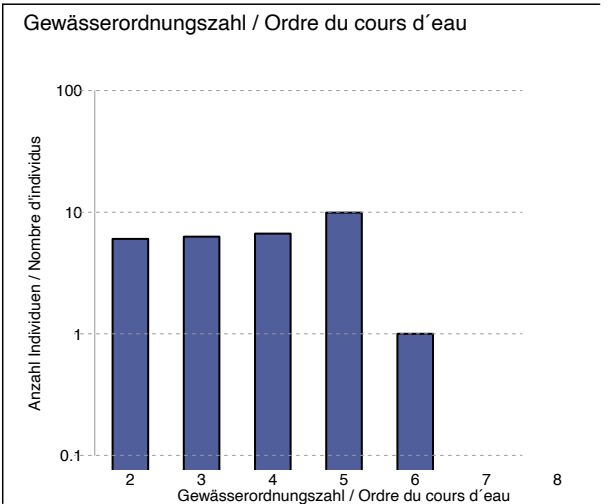
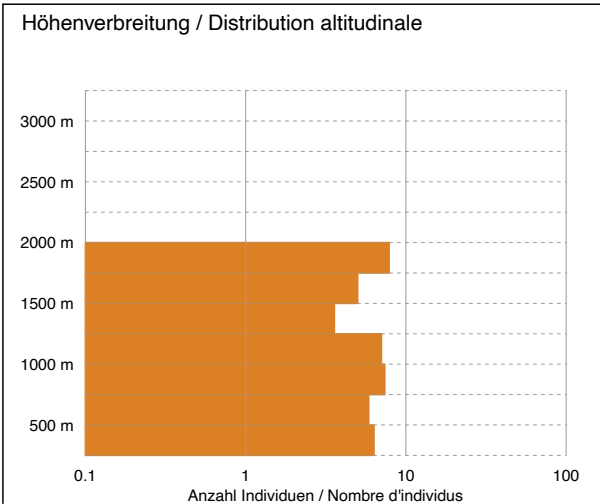
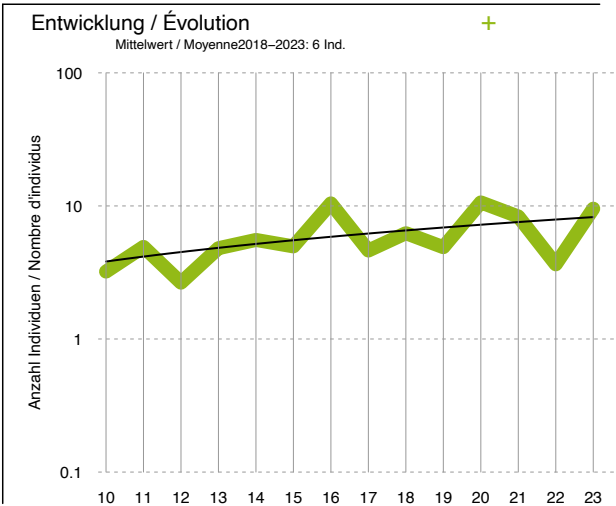
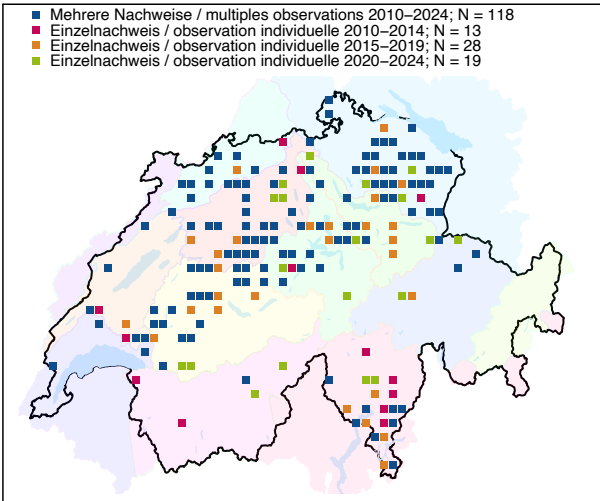
Sericostomatidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



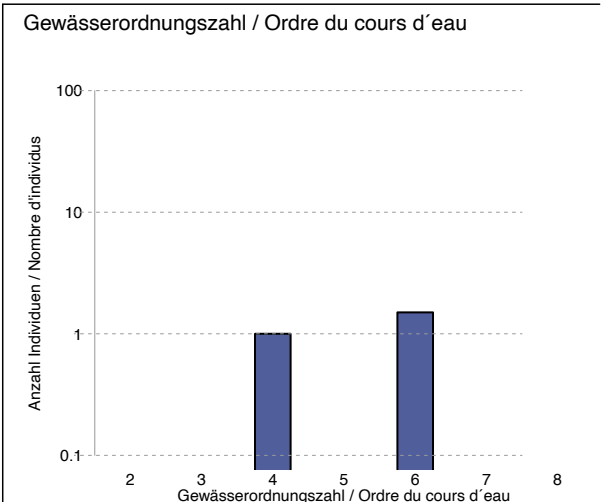
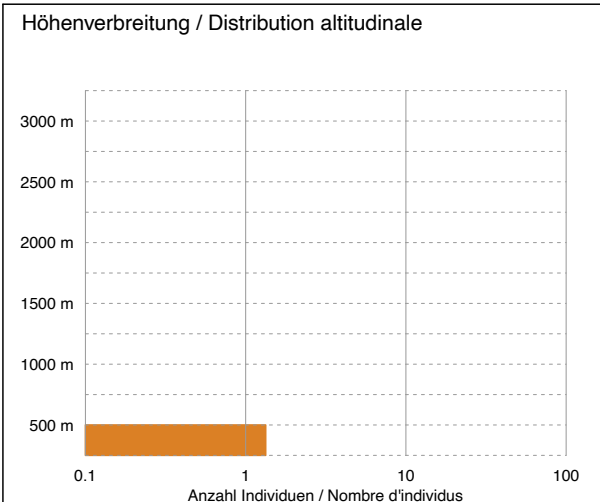
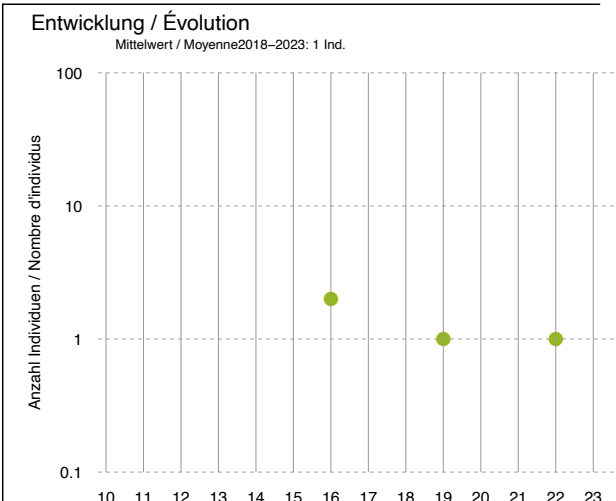
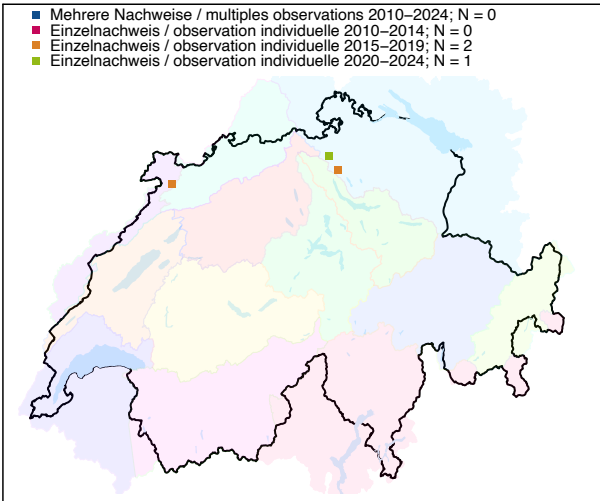
5932 *Odontocerum albicorne*
Odontoceridae

Status (RL / Prio):	LC / –
Indikatorgruppe:	7



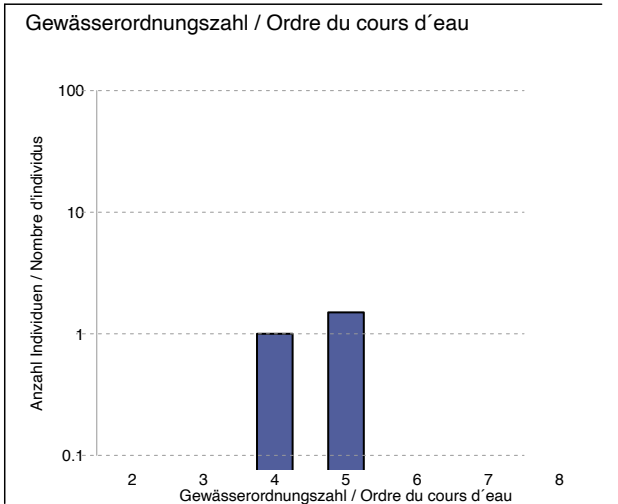
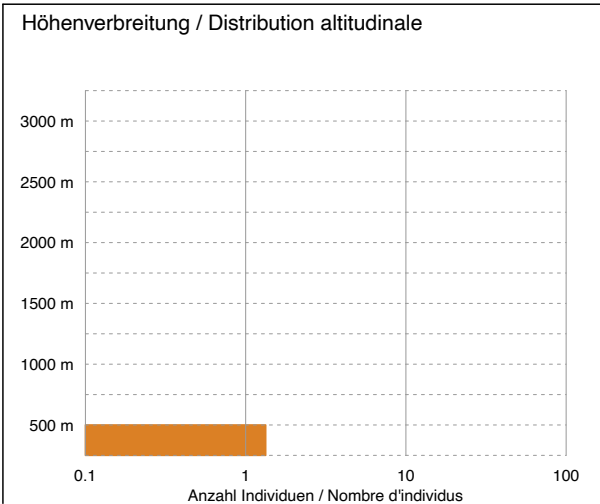
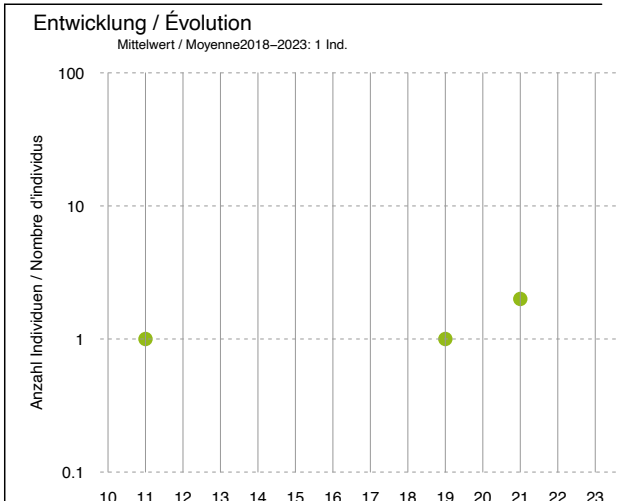
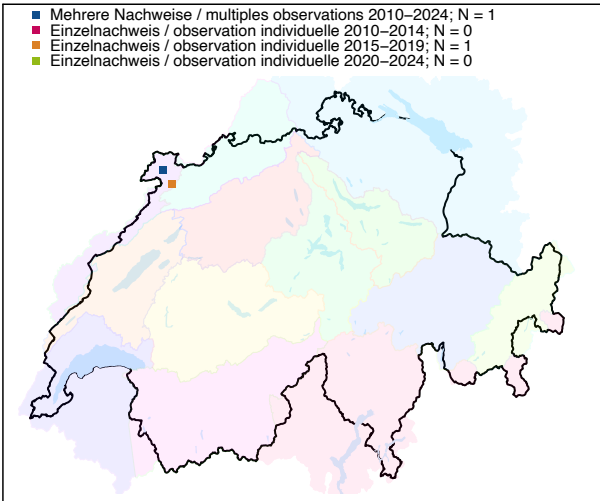
5935 *Oecetis notata*
Leptoceridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5937 *Oecetis testacea*
Leptoceridae

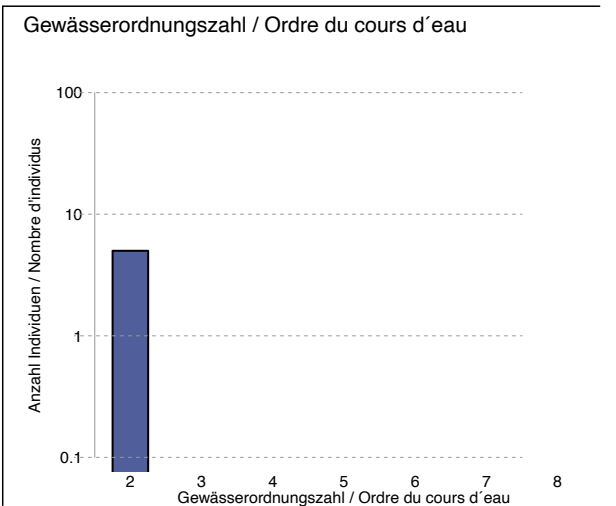
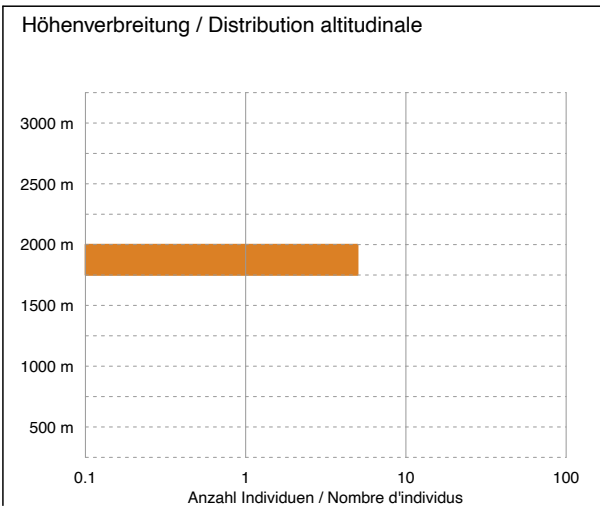
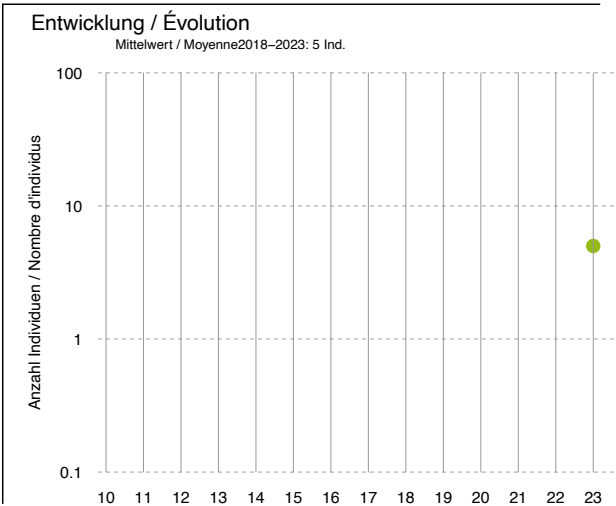
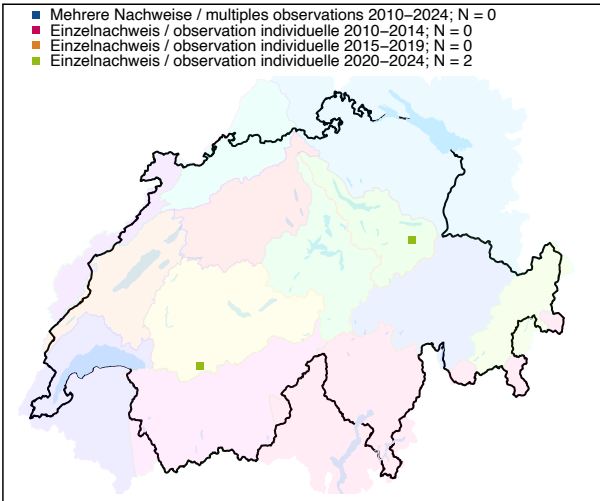
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5949 *Parachiona picicornis*
Limnephilidae

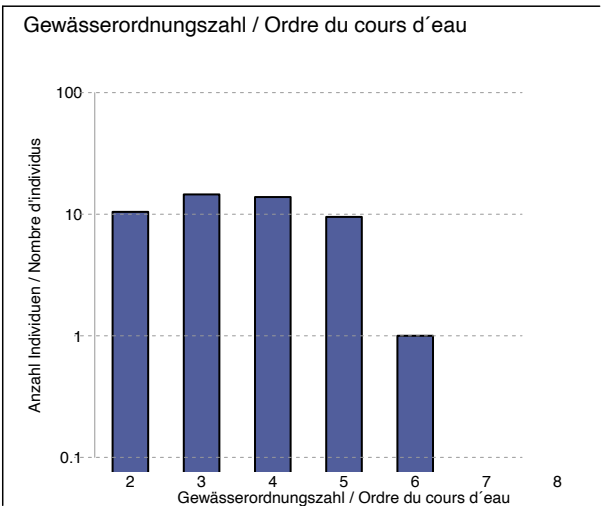
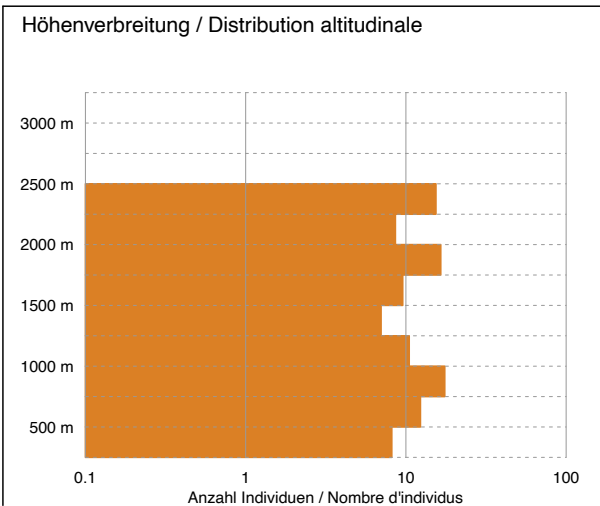
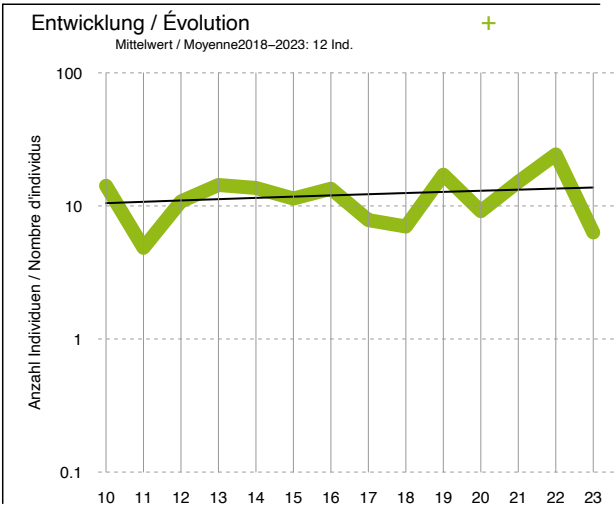
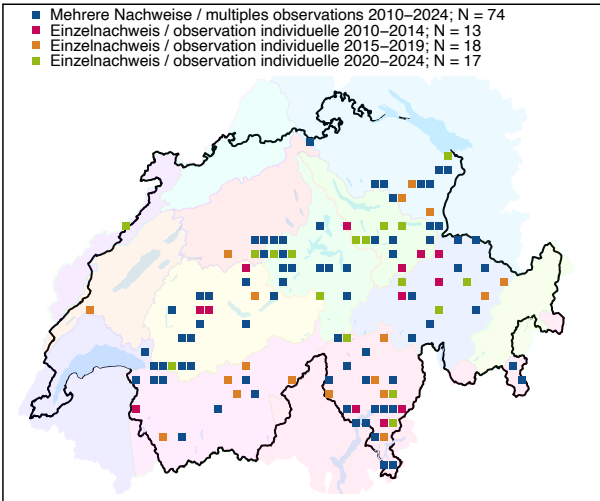
Status (RL / Prio): - / -

Indikatorgruppe: NA



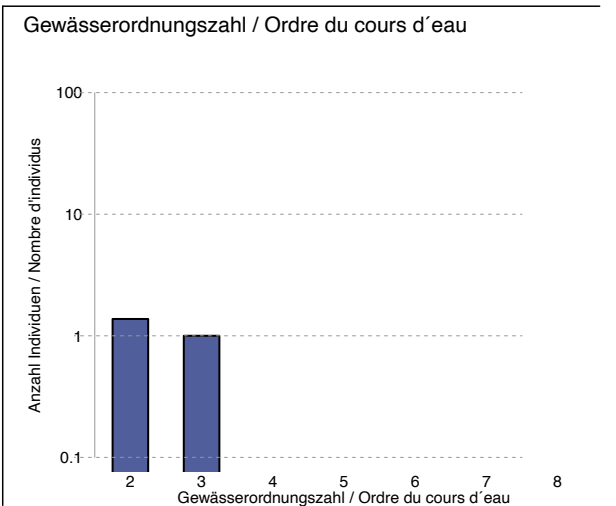
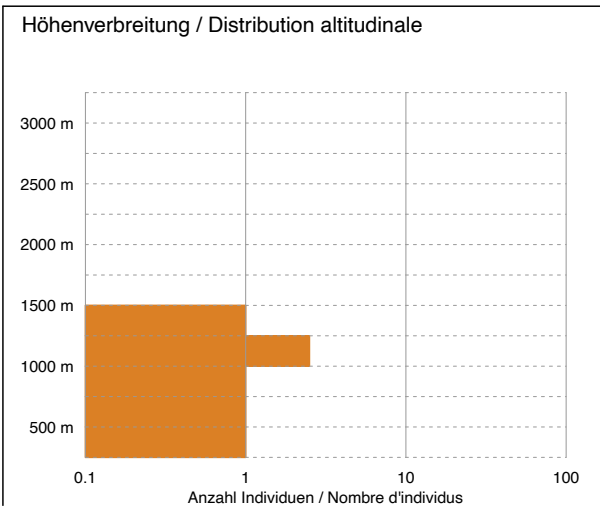
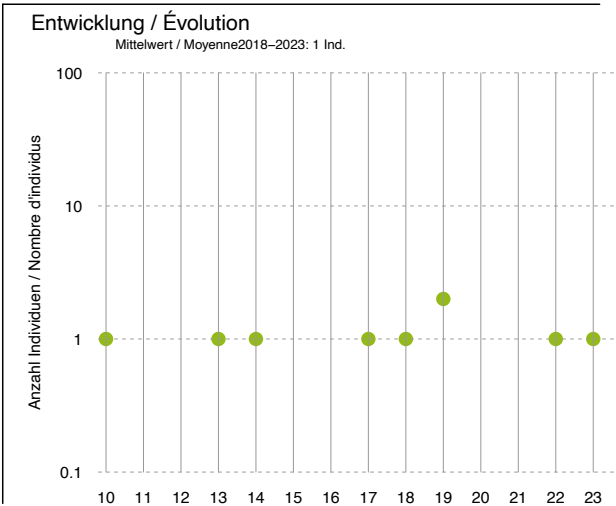
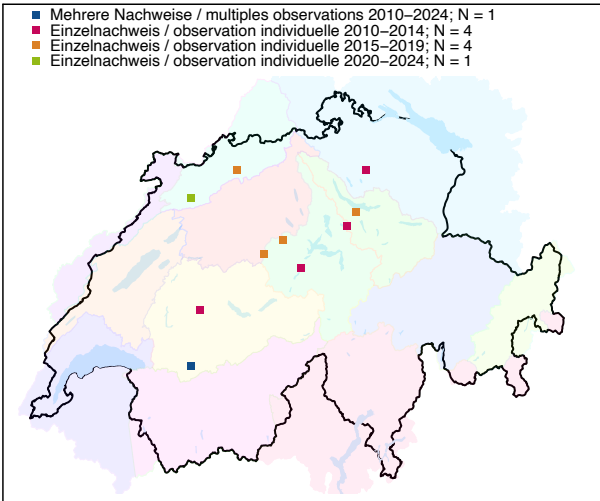
5950 *Philopotamus ludificatus*
Philopotamidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	8



5952 *Philopotamus variegatus*
Philopotamidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA

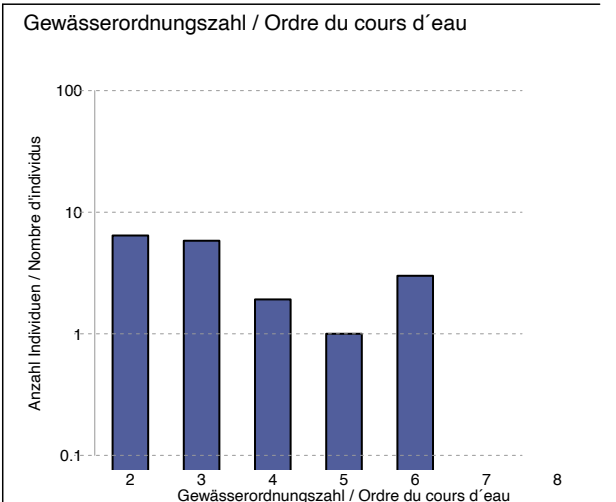
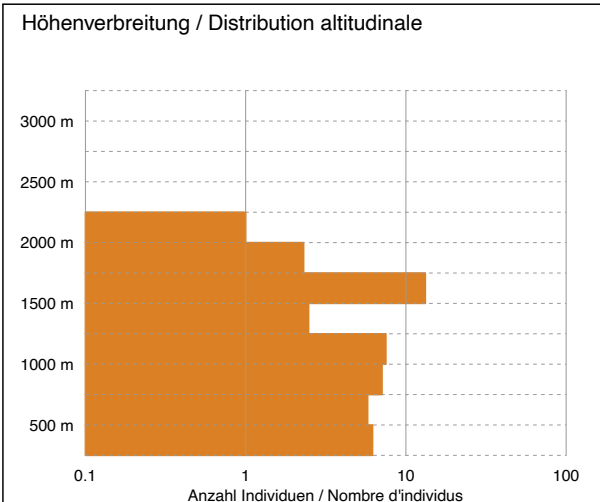
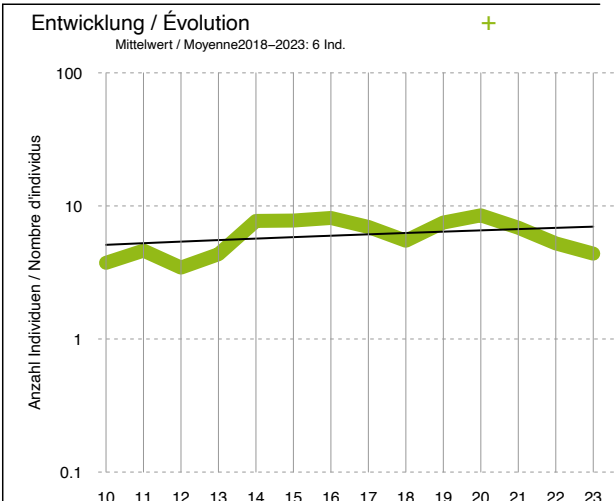
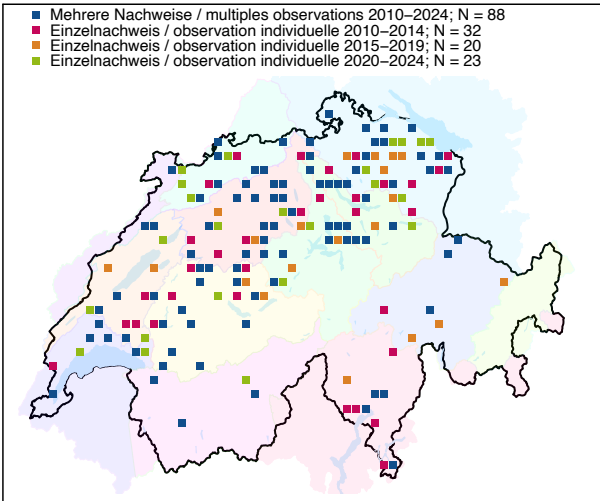


5961 *Plectrocnemia* –Komplex

Polycentropodidae

appennina, brevis, conspersa, geniculata
praestans

Status (RL / Prio):	– / –
Indikatorgruppe:	4



5969

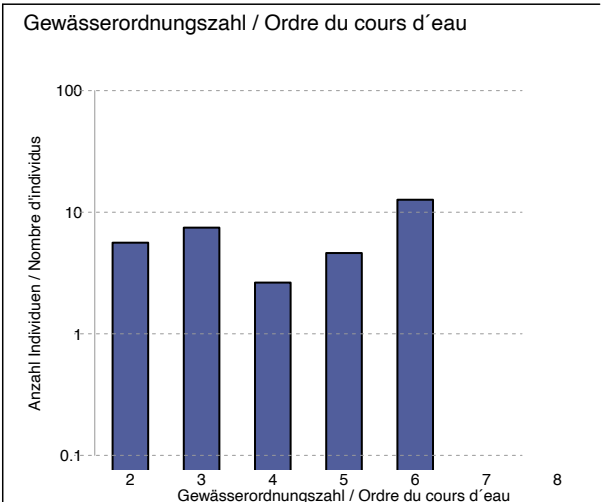
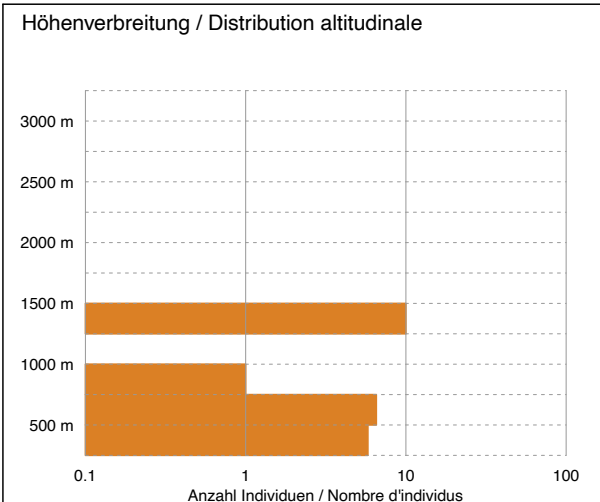
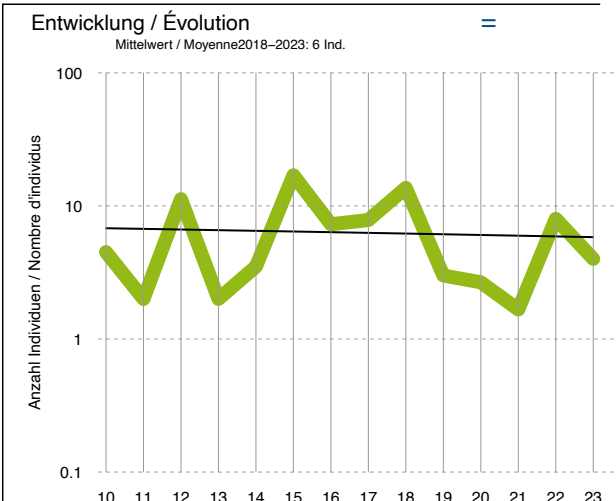
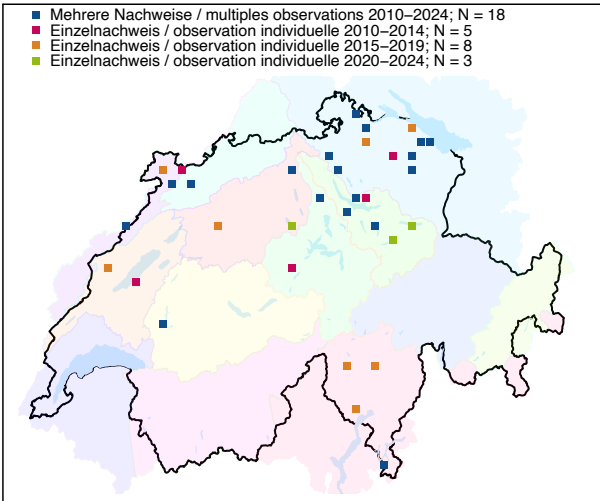
Polycentropus –Komplex

Polycentropodidae

corniger, excisus, flavomaculatus, irroratus

kingi, morettii, schmidi

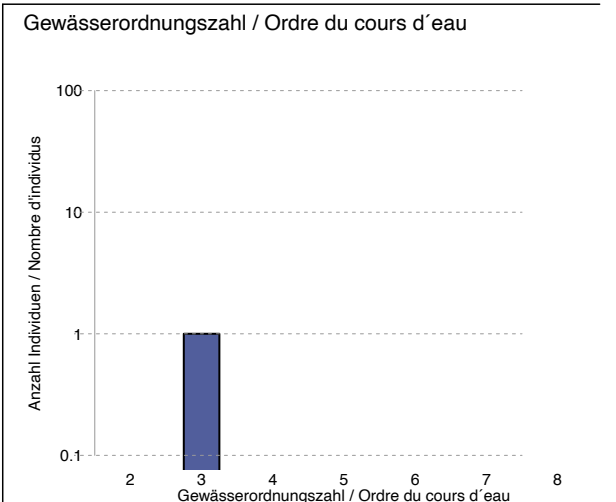
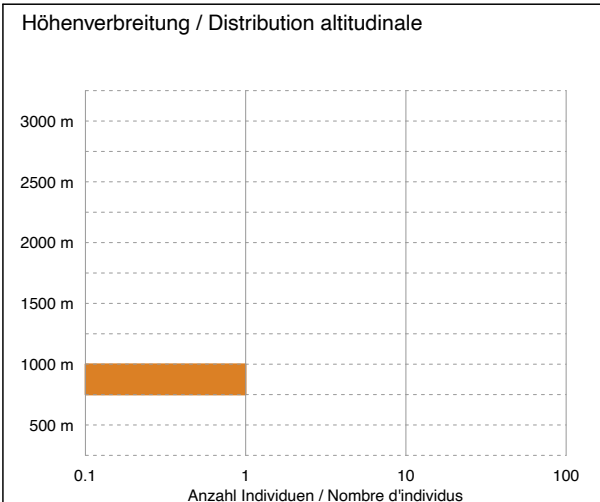
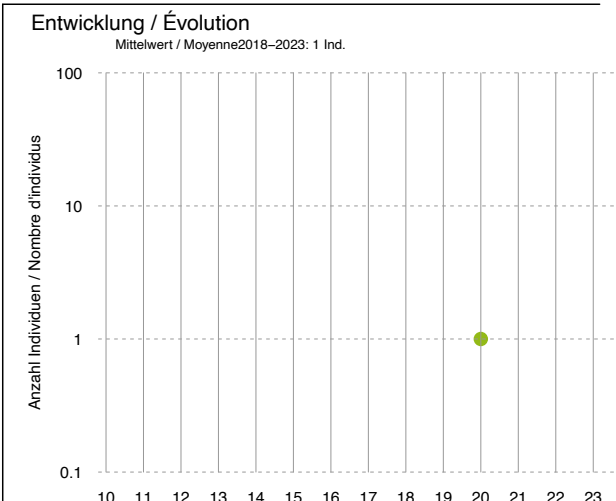
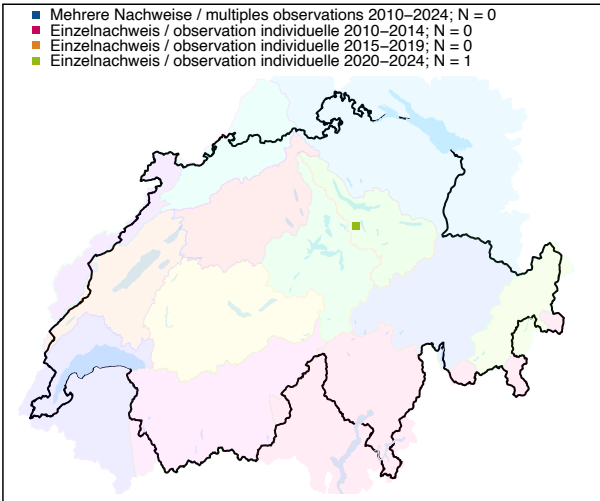
Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5976 Psychomyia fragilis

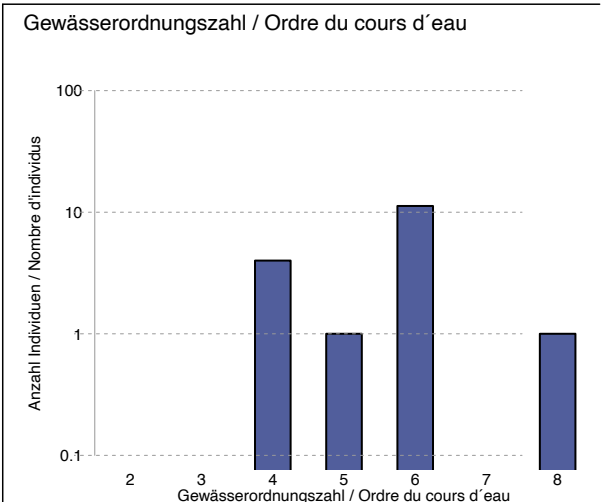
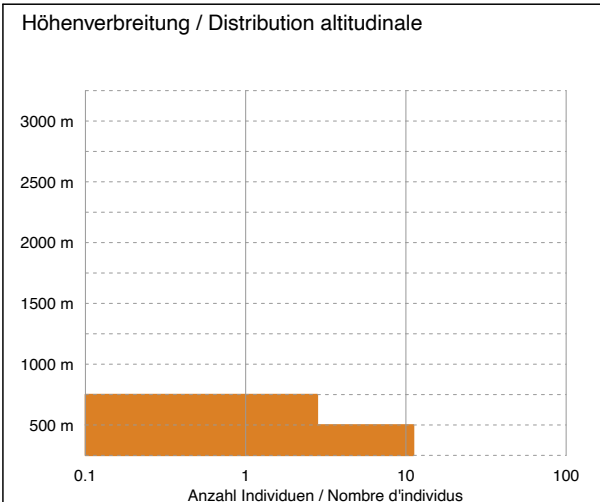
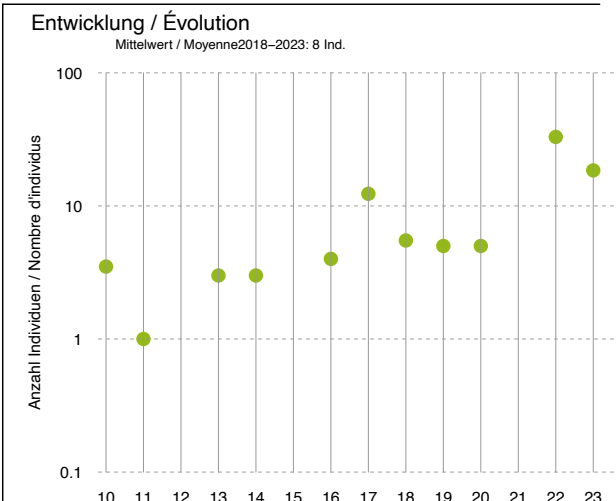
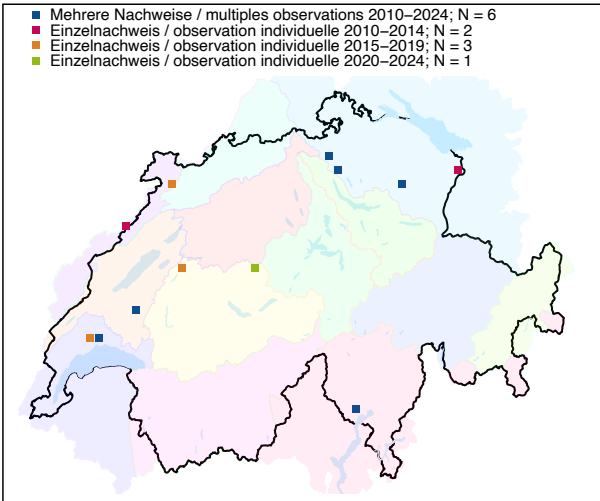
Psychomyiidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



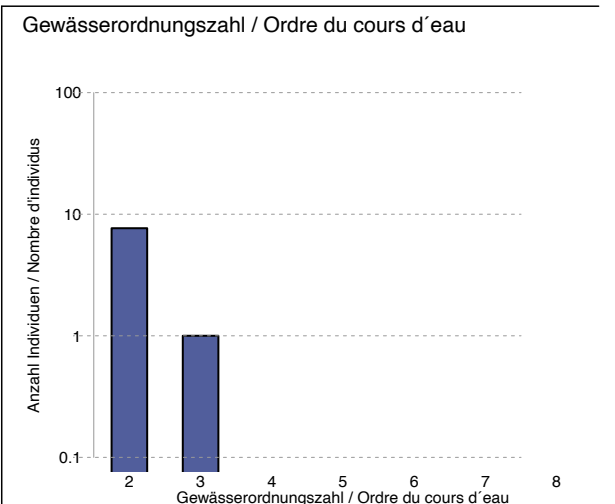
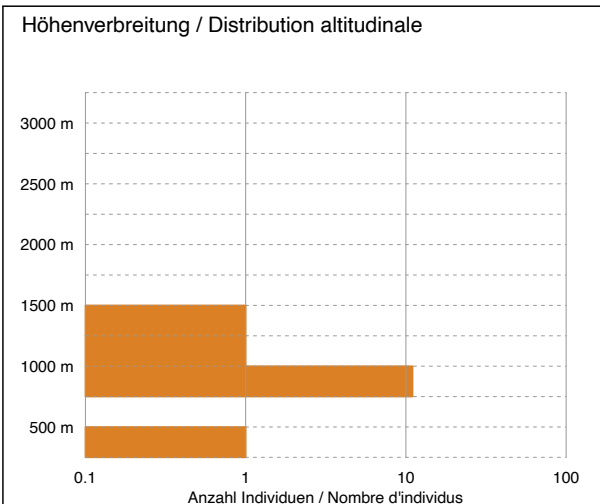
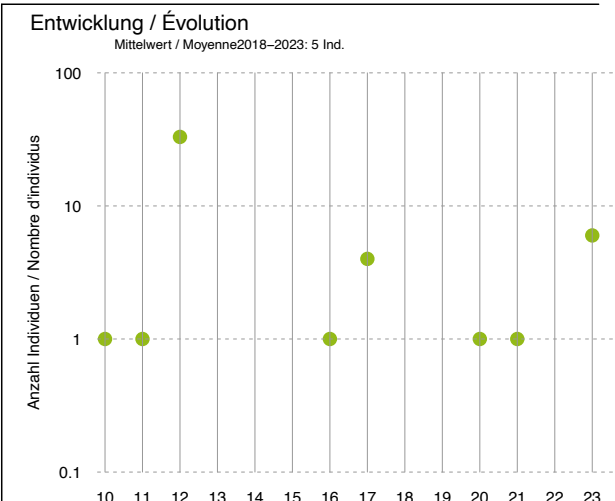
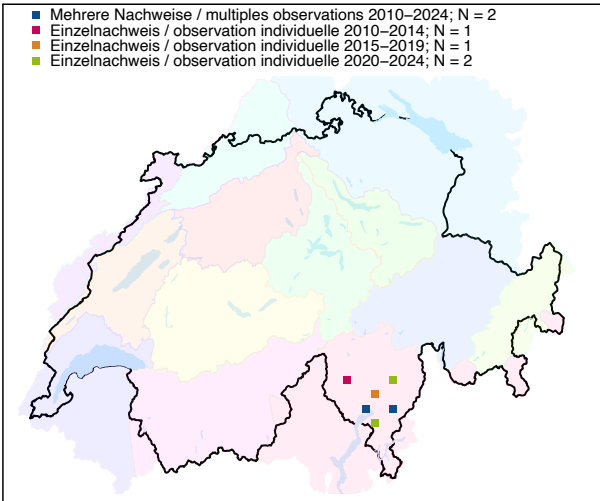
5977 *Psychomyia pusilla*
Psychomyiidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



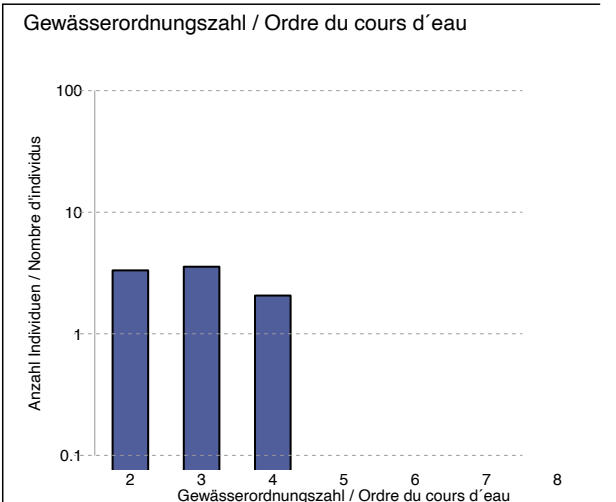
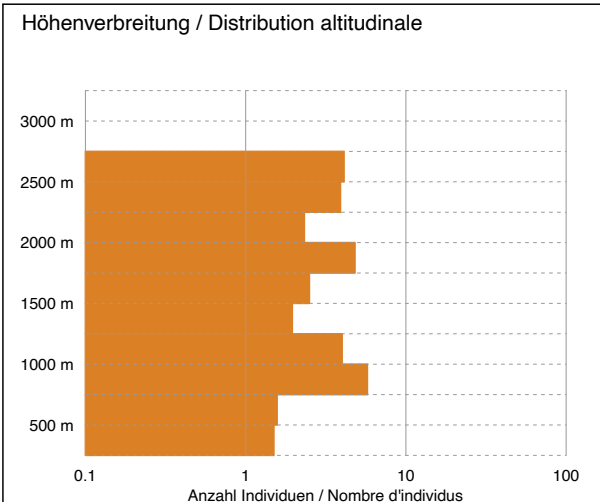
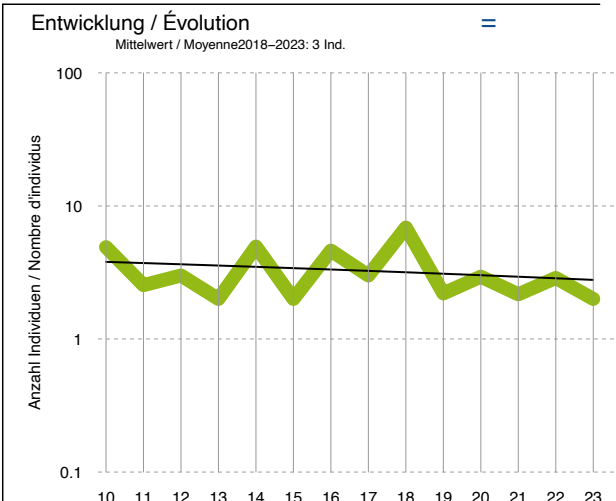
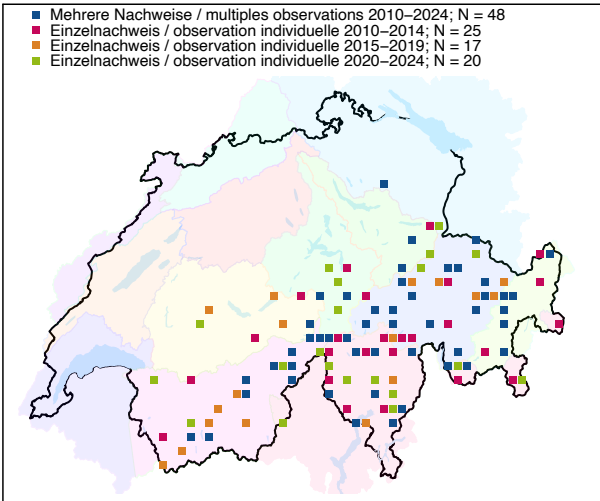
5978 *Ptilocolepus granulatus*
Ptilocolepidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



5989 *Rhyacophila intermedia*
Rhyacophilidae

Status (RL / Prio):	LC / –
Indikatorgruppe:	4



5990 *Rhyacophila laevis*

Rhyacophilidae

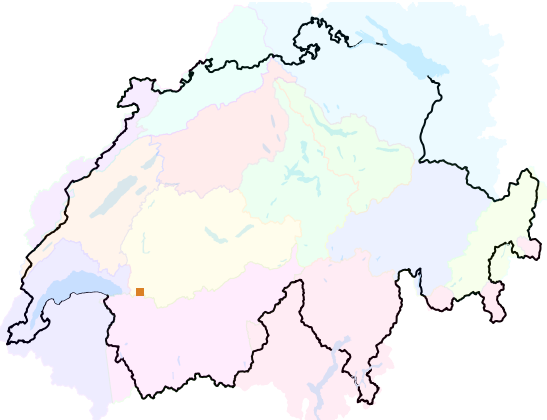
Status (RL / Prio):

– / –

Indikatorgruppe:

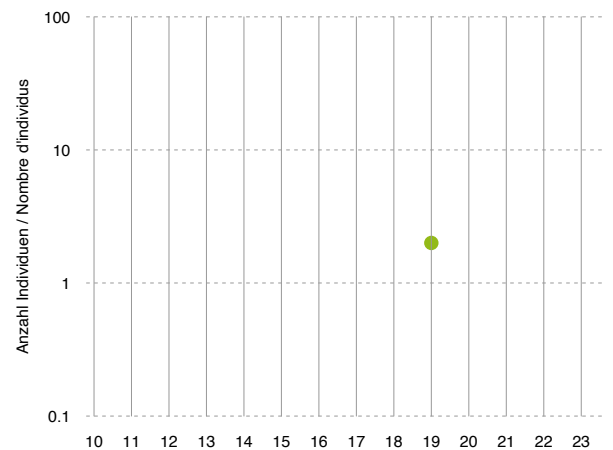
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 0
- Einzelnachweis / observation individuelle 2010–2014; N = 0
- Einzelnachweis / observation individuelle 2015–2019; N = 1
- Einzelnachweis / observation individuelle 2020–2024; N = 0

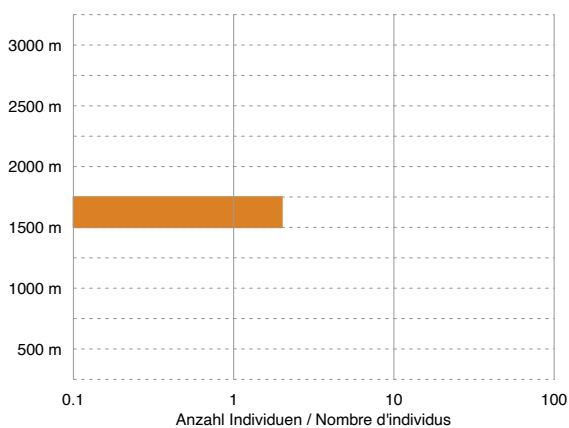


Entwicklung / Évolution

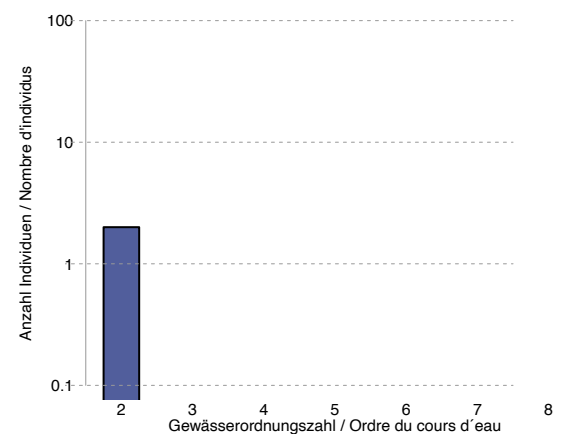
Mittelwert / Moyenne 2018–2023: 2 Ind.



Höhenverbreitung / Distribution altitudinale

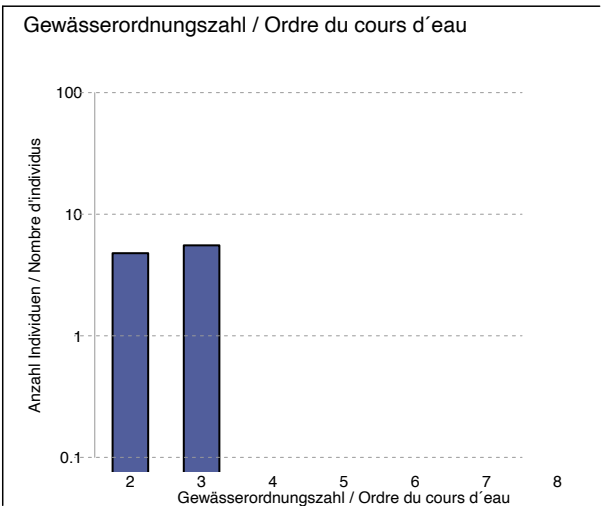
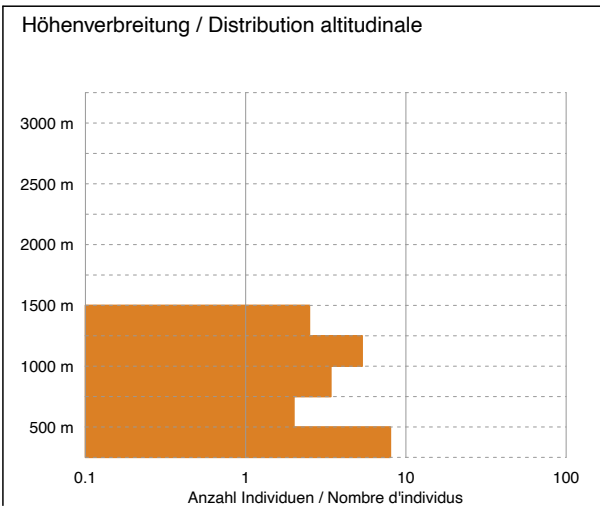
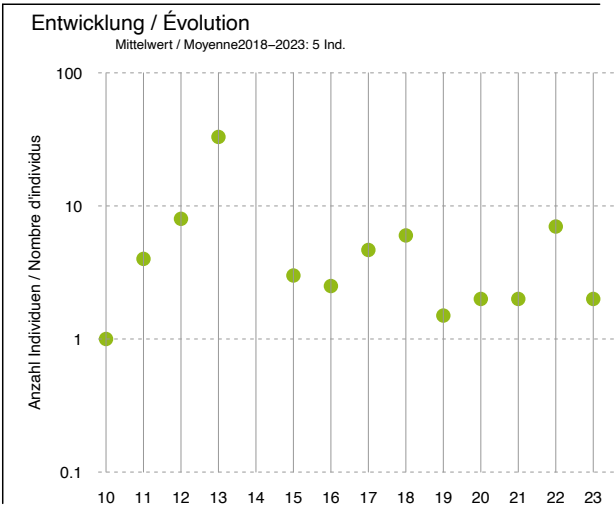
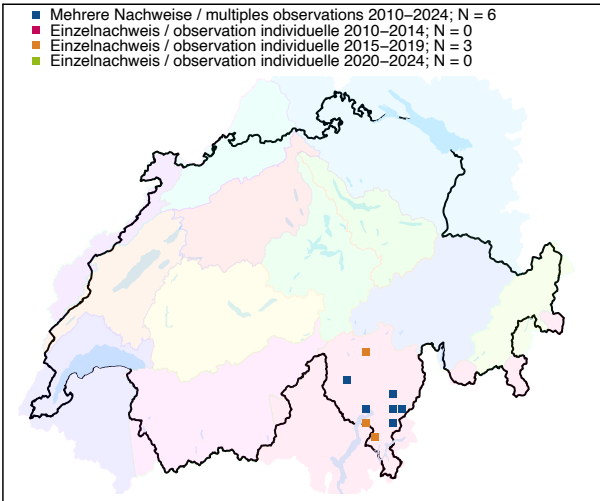


Gewässerordnungszahl / Ordre du cours d'eau



5999 *Rhyacophila rectispina*
Rhyacophilidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



6006 *Rhyacophila sensu str.-Komplex*

Rhyacophilidae

aurata, dorsalis, fasciata, oblitterata
pascoei, praemorsa, simulatrix, vulgaris

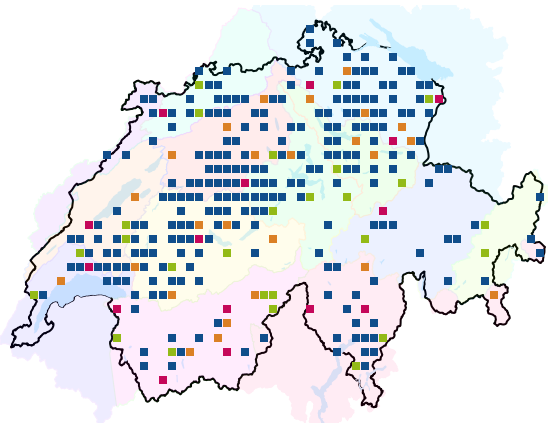
Status (RL / Prio):

– / –

Indikatorgruppe:

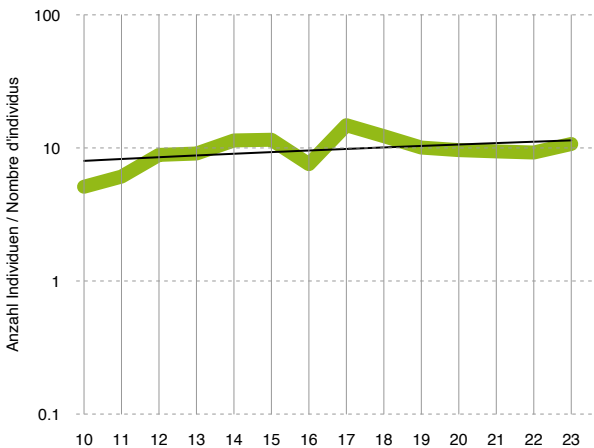
4

- Mehrere Nachweise / multiples observations 2010–2024; N = 231
- Einzelnachweis / observation individuelle 2010–2014; N = 15
- Einzelnachweis / observation individuelle 2015–2019; N = 25
- Einzelnachweis / observation individuelle 2020–2024; N = 26

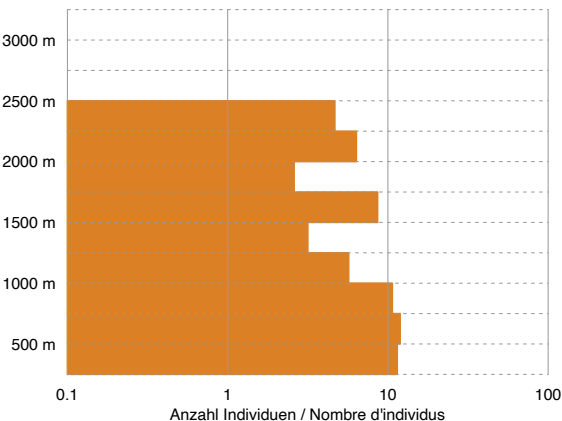


Entwicklung / Évolution

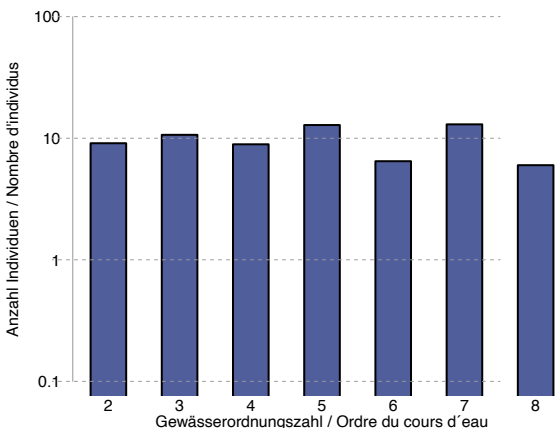
Mittelwert / Moyenne 2018–2023: 10 Ind.



Höhenverbreitung / Distribution altitudinale



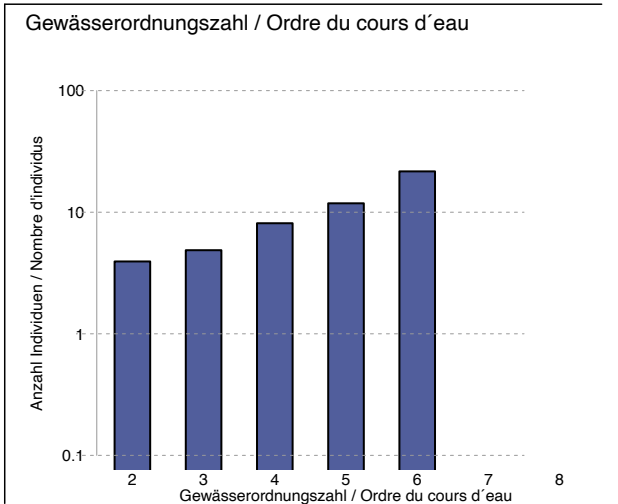
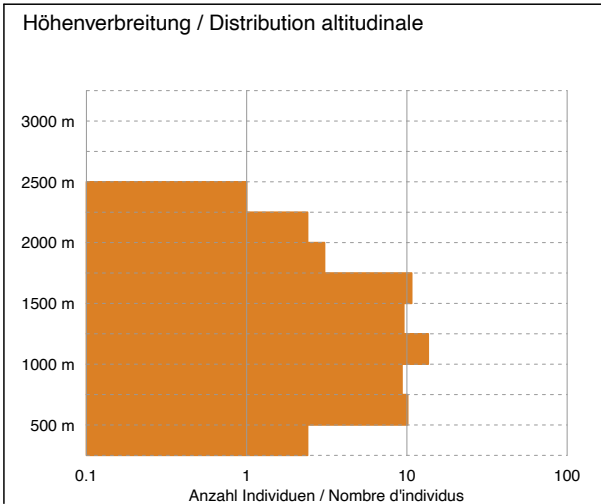
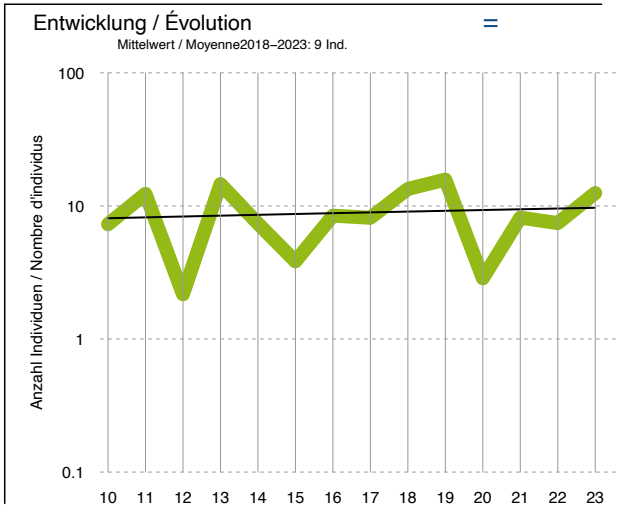
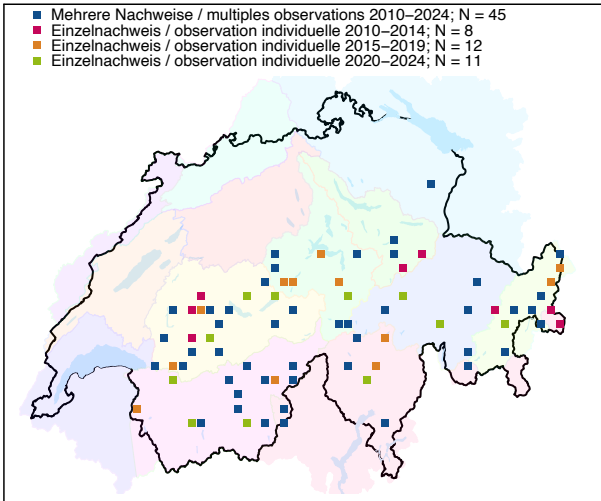
Gewässerordnungszahl / Ordre du cours d'eau



6007 *Rhyacophila torrentium*–Komplex
Rhyacophilidae
albardana, occidentalis, torrentium

Status (RL / Prio): **– / –**

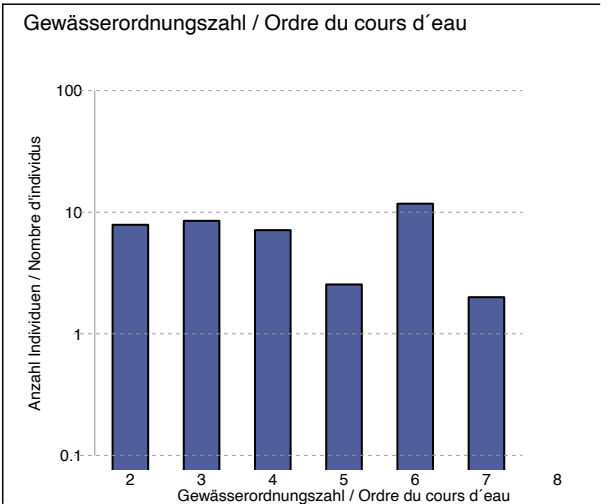
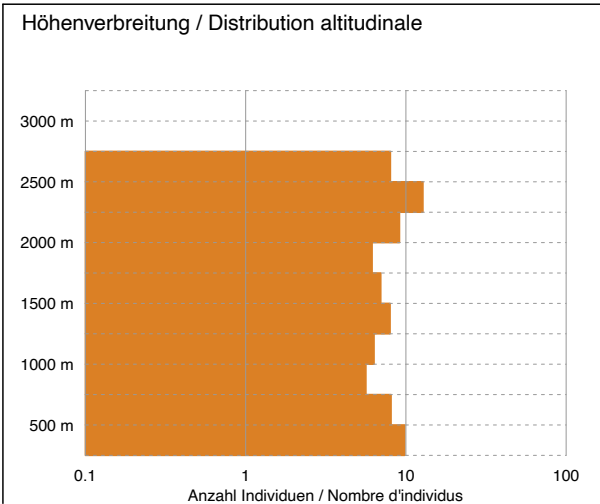
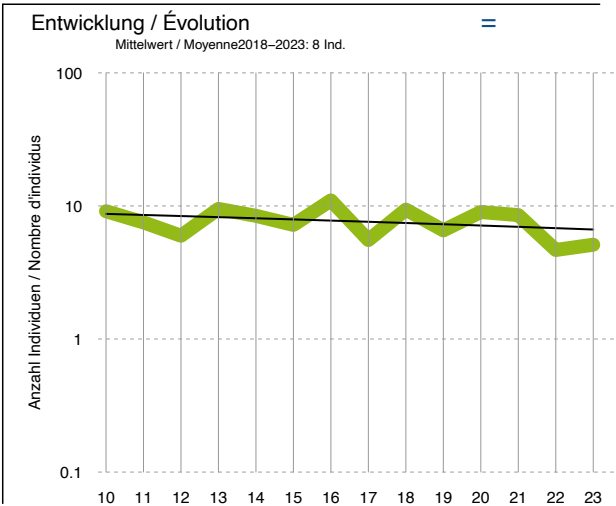
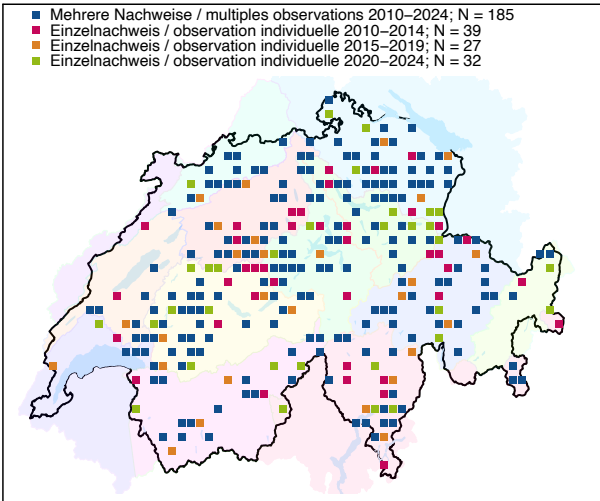
Indikatorgruppe: **NA**



6008 *Rhyacophila*–*Hyporhyacophila* –Komplex
Rhyacophilidae

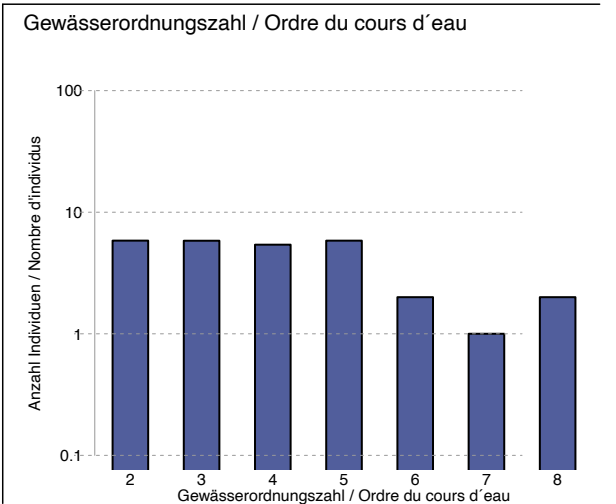
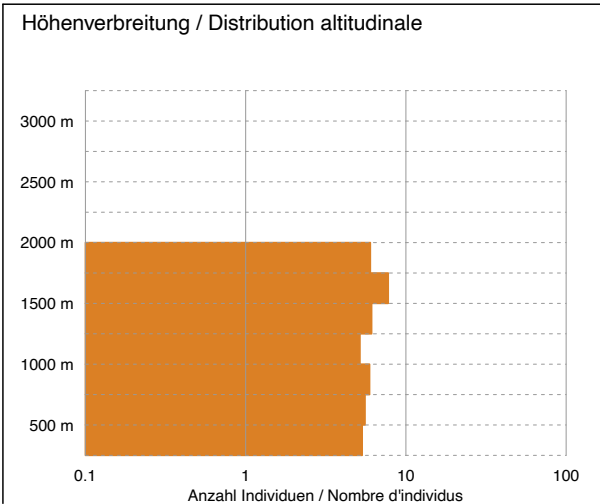
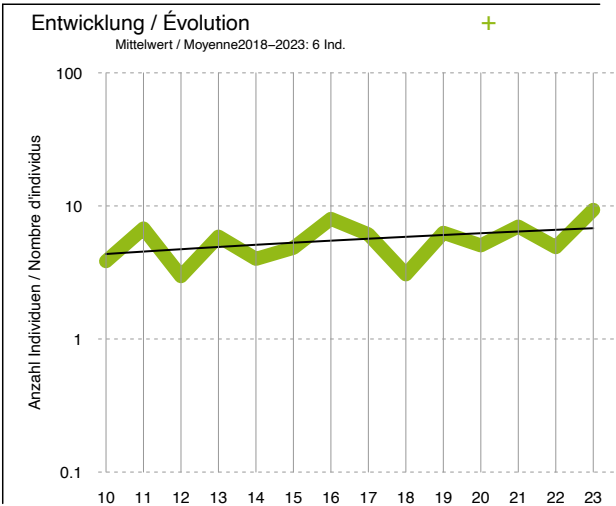
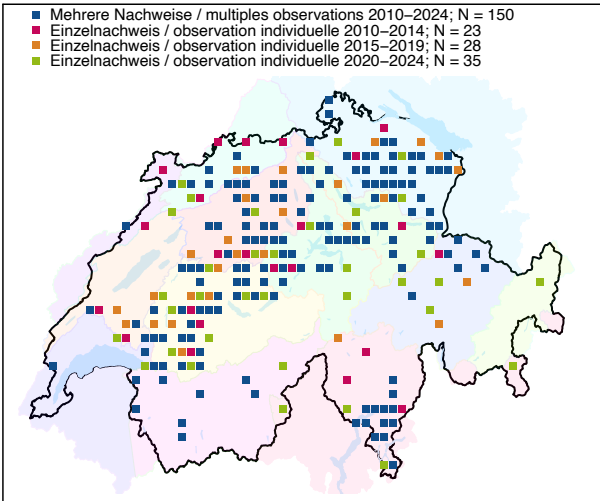
aquitana, *glareosa*, *hirticornis*, *meyeri*
orobica, *philopotamoides*, *pubescens*, *stigmatica*
tristis

Status (RL / Prio):	– / –
Indikatorgruppe:	4



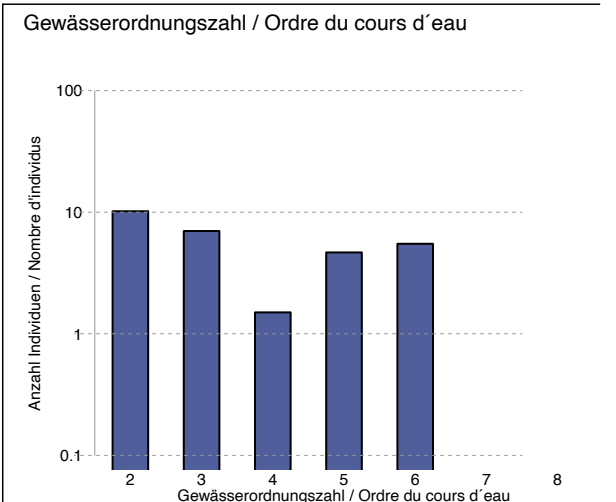
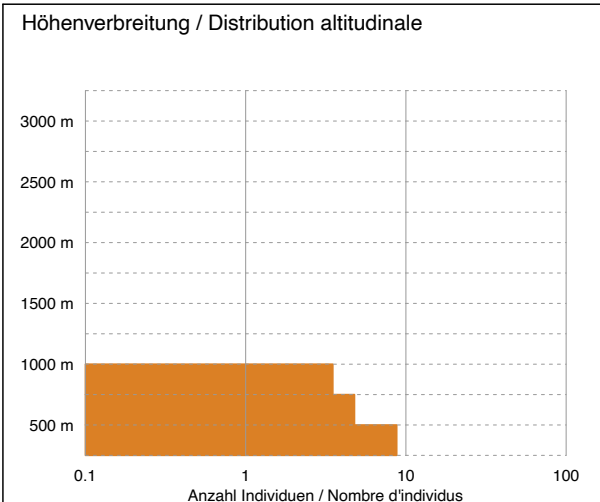
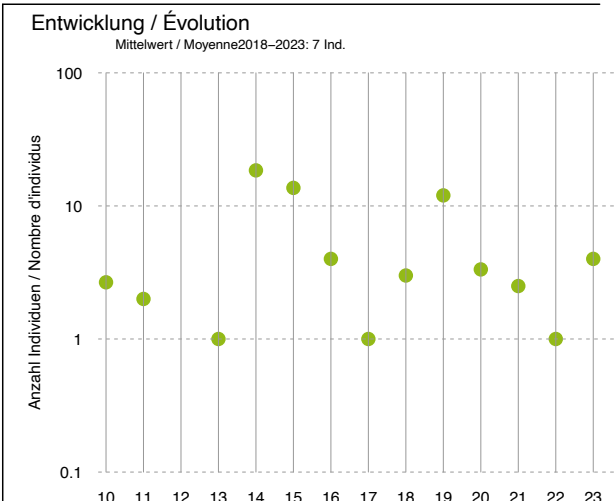
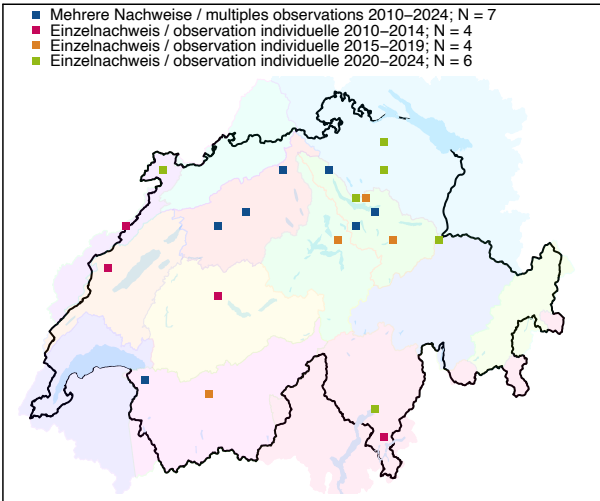
6012 *Sericostoma* –Komplex
Sericostomatidae
flavicorne, galeatum, personatum

Status (RL / Prio):	- / -
Indikatorgruppe:	6



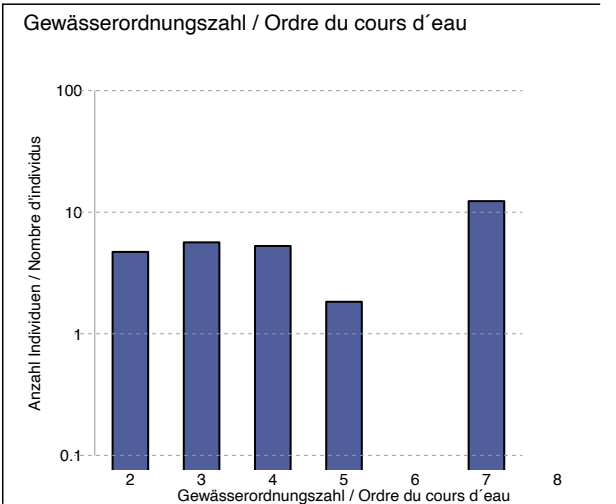
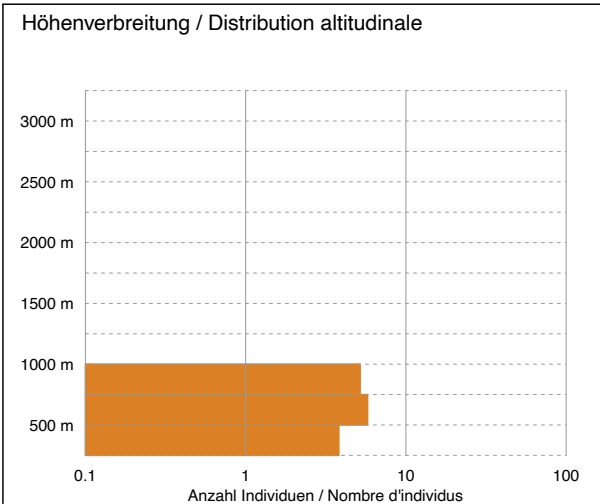
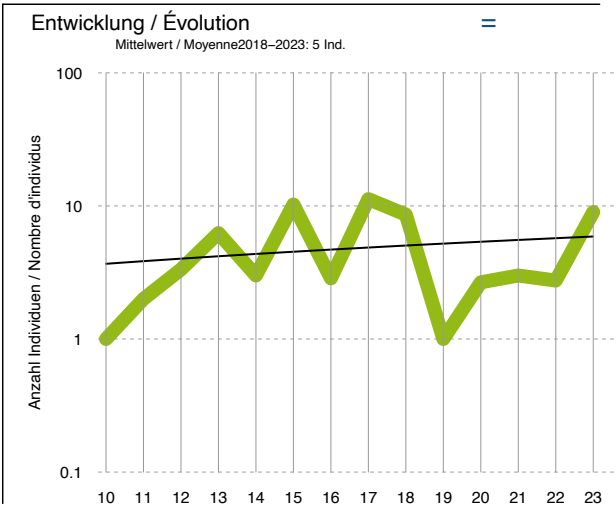
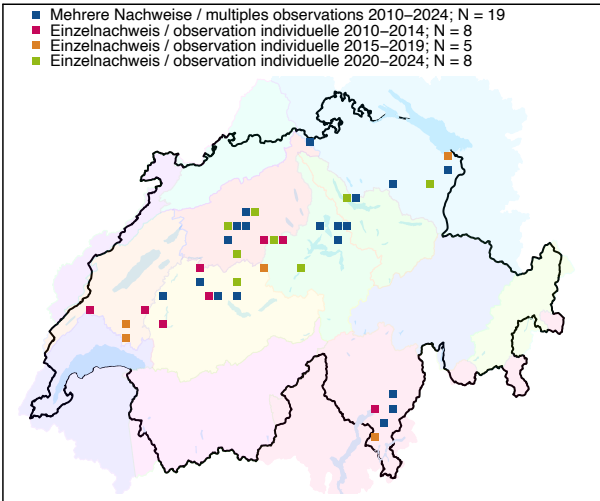
6015 *Silo nigricornis*
Goeridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



6016 *Silo pallipes*
Goeridae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



6017 *Silo piceus* Goeridae

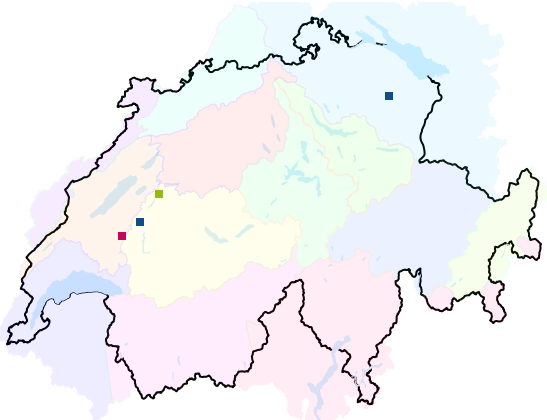
Status (RL / Prio):

– / –

Indikatorgruppe:

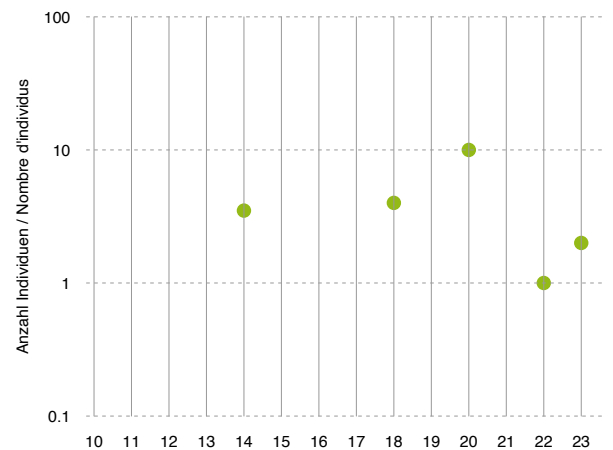
NA

- Mehrere Nachweise / multiples observations 2010–2024; N = 2
- Einzelnachweis / observation individuelle 2010–2014; N = 1
- Einzelnachweis / observation individuelle 2015–2019; N = 0
- Einzelnachweis / observation individuelle 2020–2024; N = 1

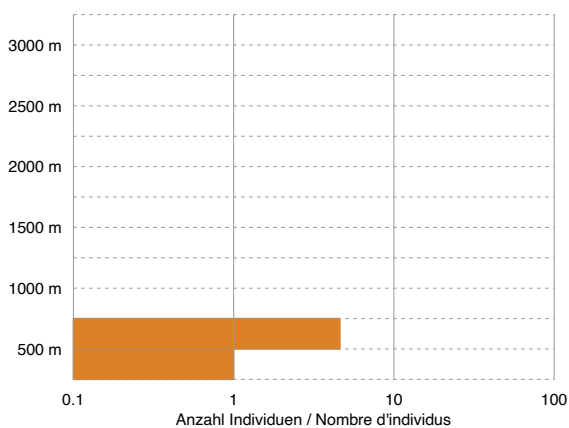


Entwicklung / Évolution

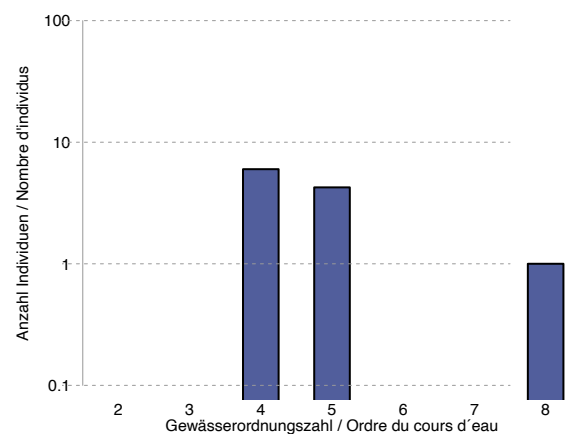
Mittelwert / Moyenne 2018–2023: 4 Ind.



Höhenverbreitung / Distribution altitudinale

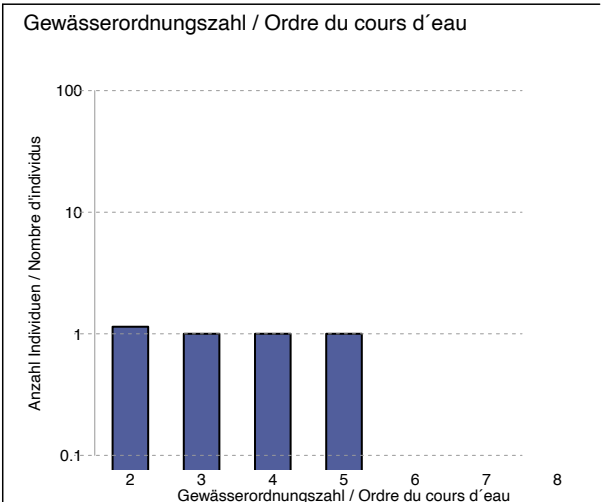
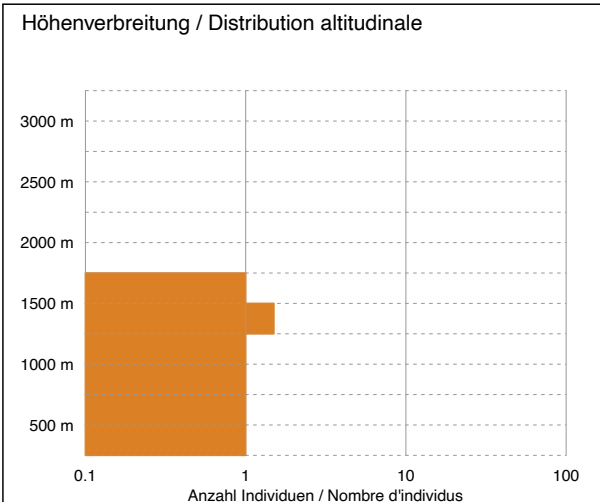
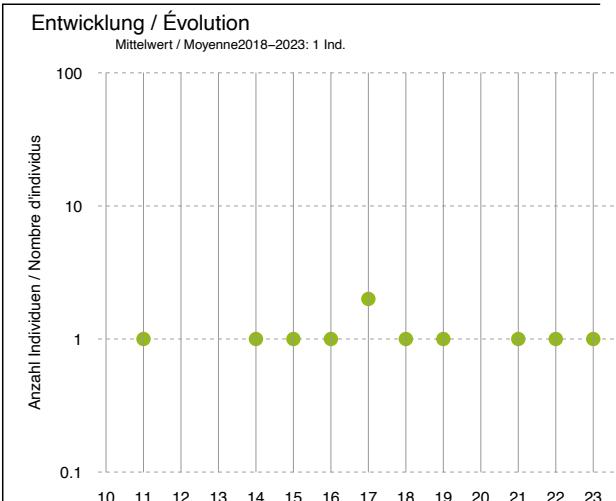
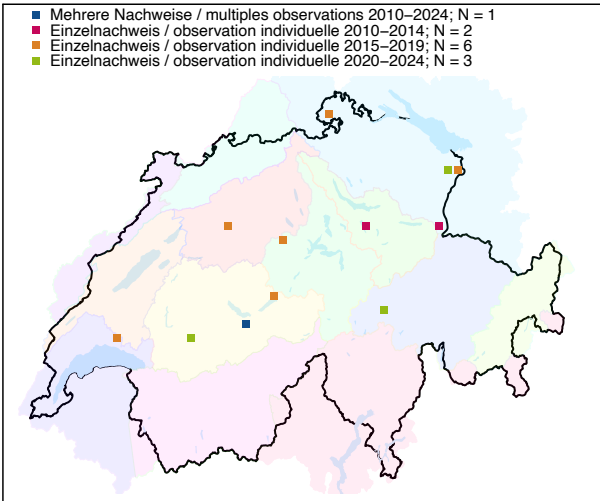


Gewässerordnungszahl / Ordre du cours d'eau



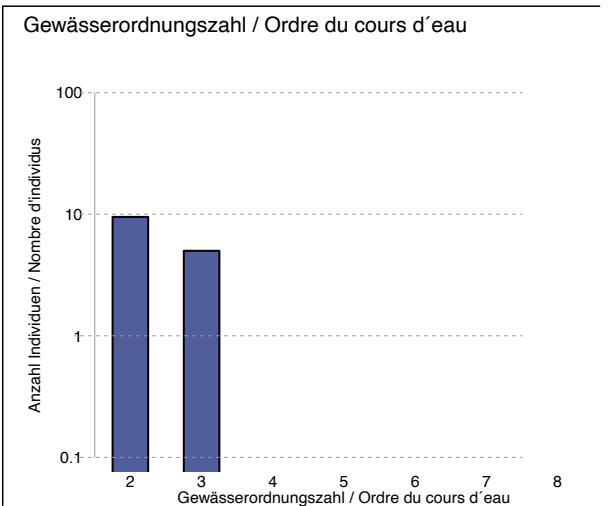
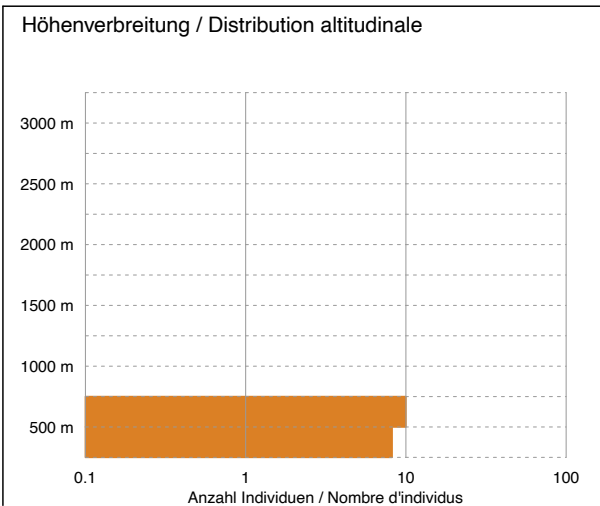
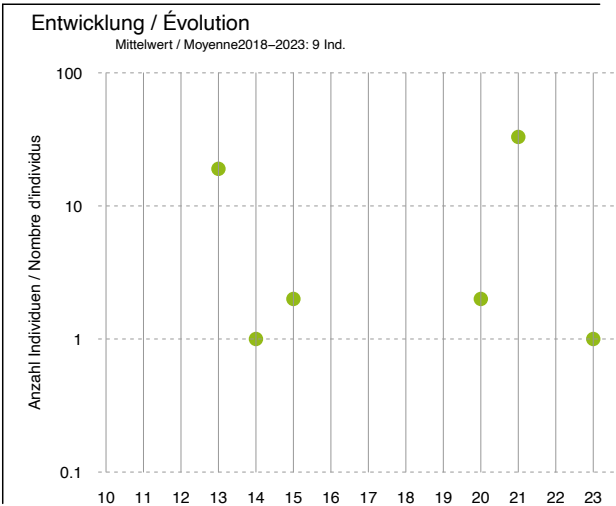
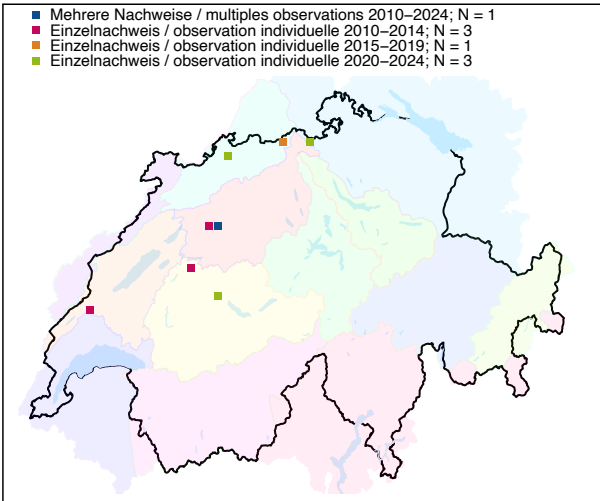
6021 *Stactobia* –Komplex *Hydroptilidae* *eatoniella*, *furcata*, *moselyi*

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



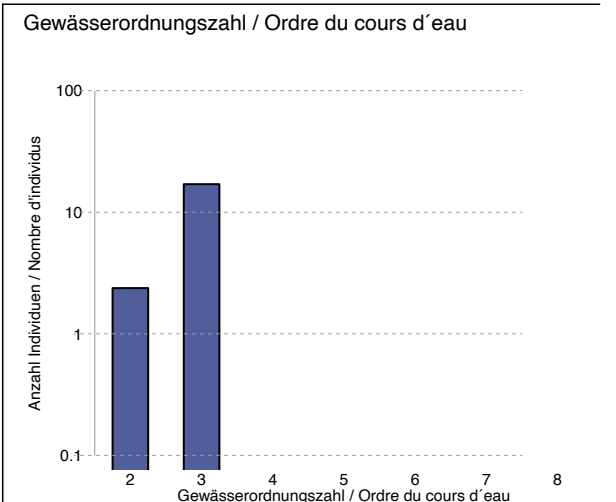
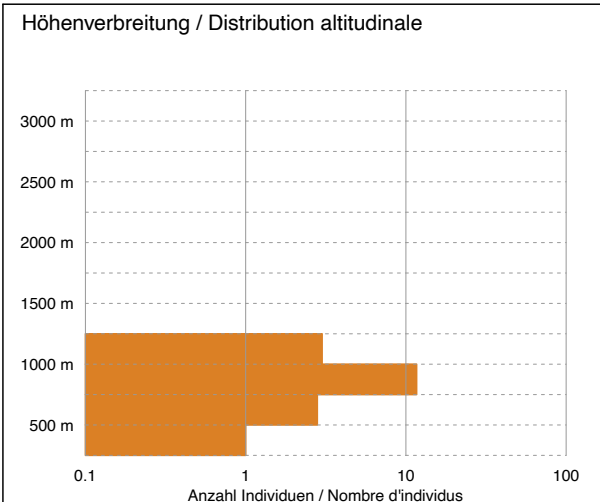
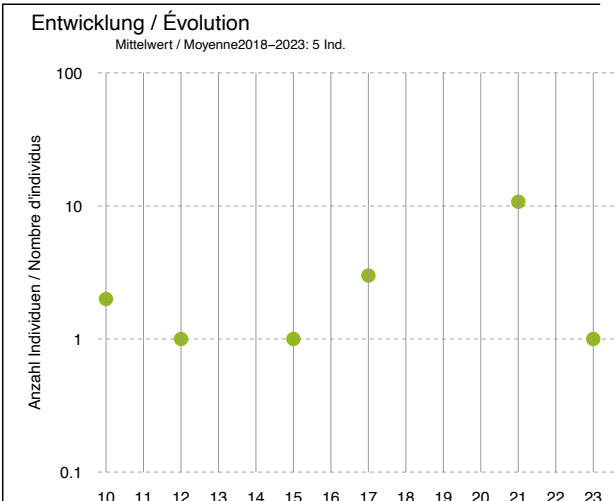
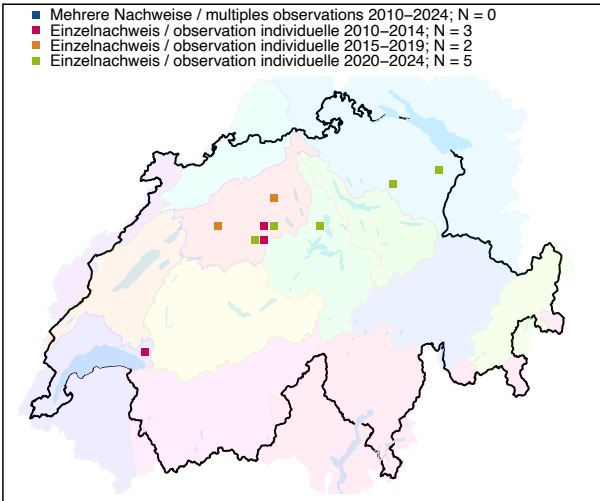
6027 *Synagapetus dubitans*
Glossosomatidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



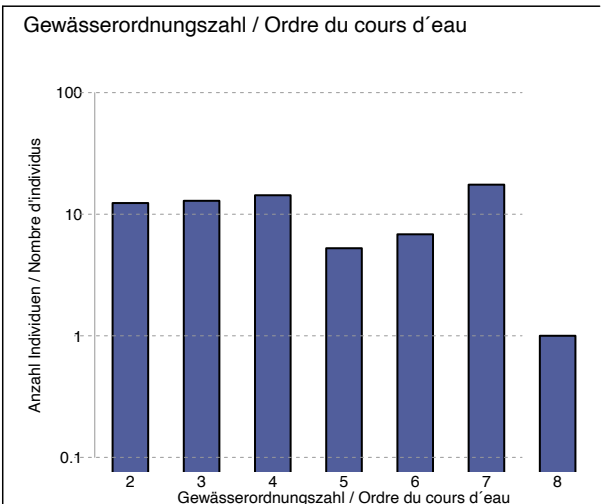
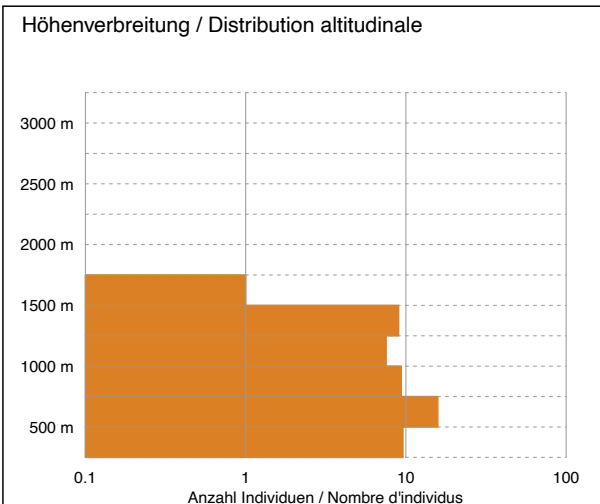
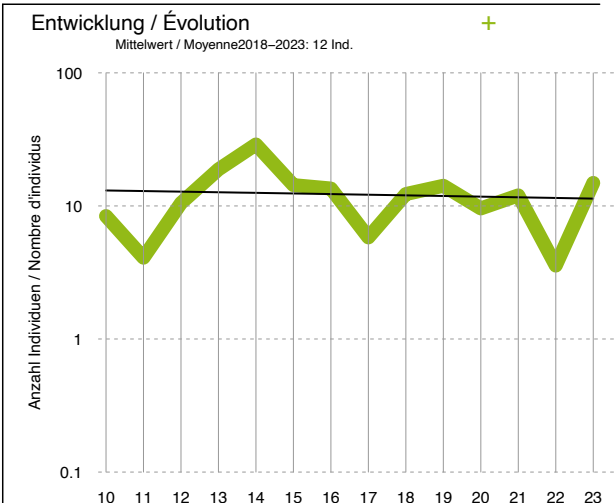
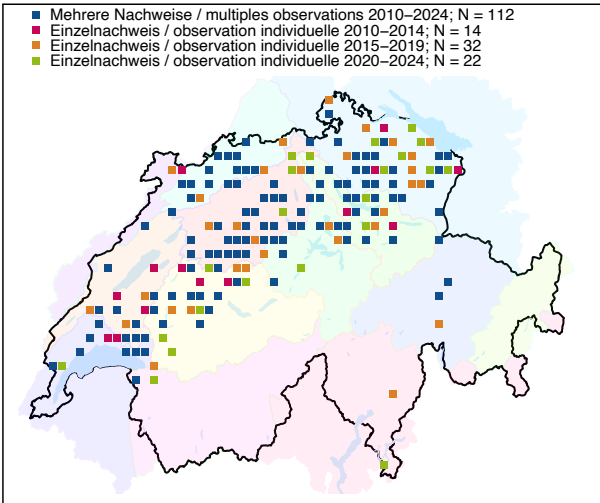
6028 *Synagapetus iridipennis*
Glossosomatidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



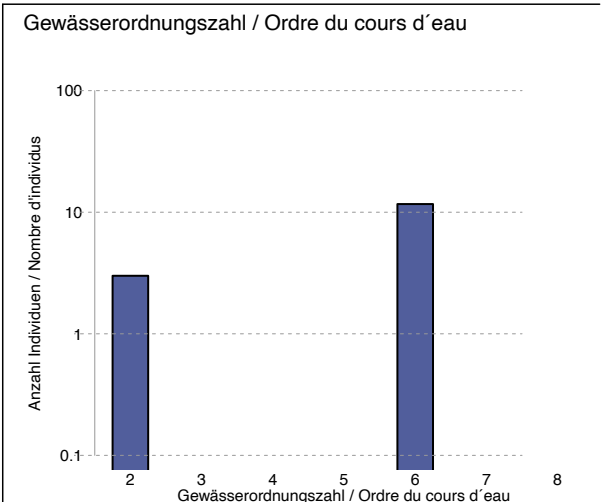
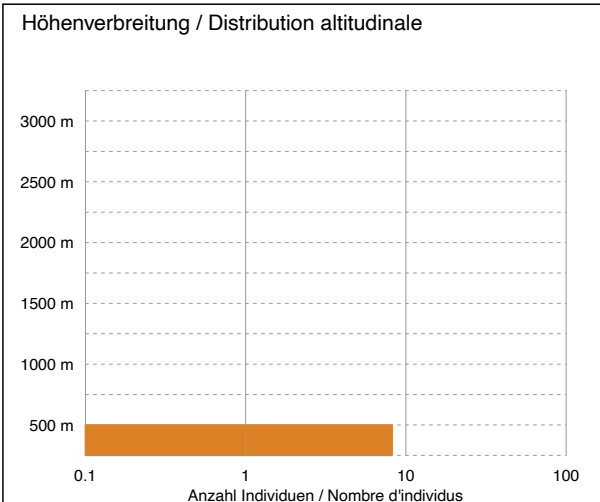
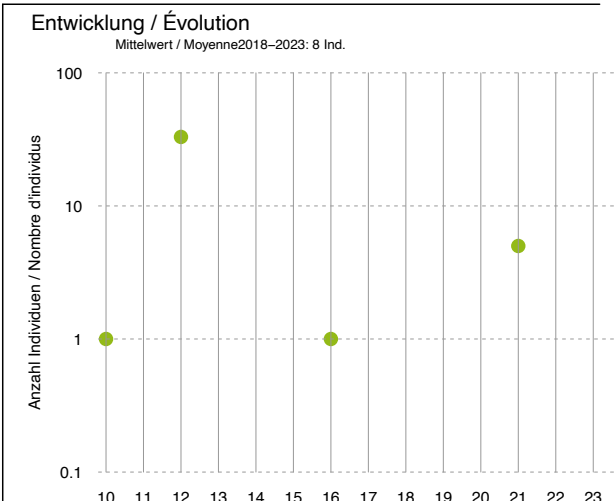
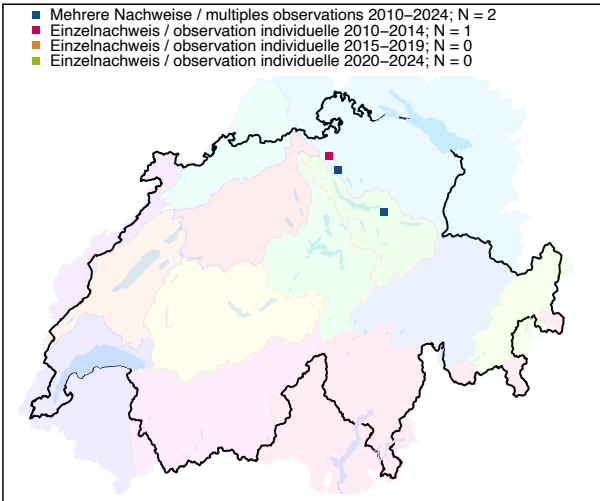
6041 Tinodes –Komplex
Psychomyiidae
antonioi, assimilis, dives, luscinia
maclachlani, maculicornis, pallidulus, rostocki
sylvia, unicolor, zelleri

Status (RL / Prio):	- / -
Indikatorgruppe:	4



6039 *Tinodes waeneri*
Psychomyiidae

Status (RL / Prio):	- / -
Indikatorgruppe:	NA



6051 Wormaldia –Komplex
Philopotamidae
copiosa, mediana, occipitalis, pulla
subnigra, variegata

Status (RL / Prio):	- / -
Indikatorgruppe:	NA

