

MAKROPHYTENKARTIERUNG ATTERSEE Kartenband

Untersuchung im Auftrag der
Landesregierung Oberösterreich
Naturschutzabteilung

Projektleitung und -organisation:

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Verfasser:

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DI (FH) Gregor Hoheneder

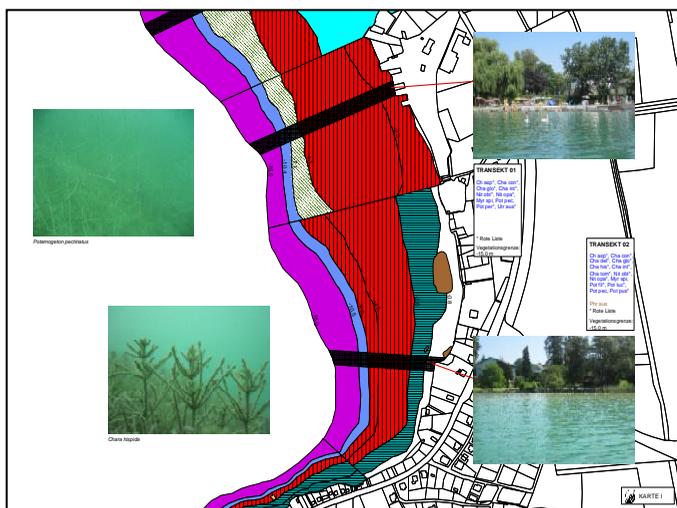
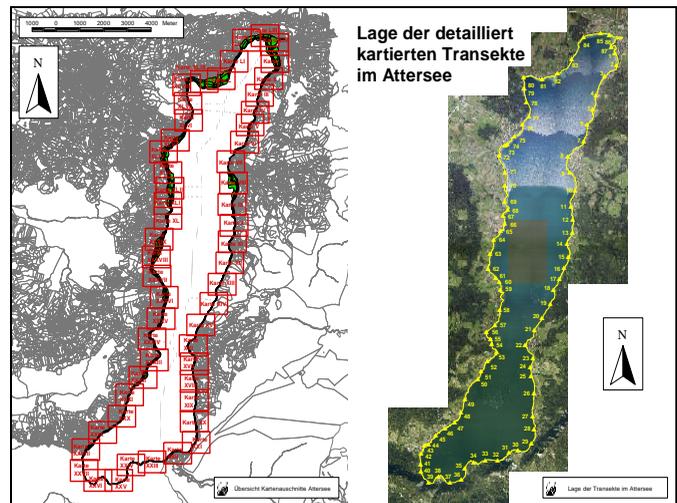
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Mitarbeiter:

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Kartierungszeitraum: August 2009

Erstellungsdatum: Februar 2011



Grundlagen:

Echosondierung: Fa. ICRA, Salzburg

Orthofotos & Kartengrundlagen:

Landesregierung Oberösterreich

Systema Bio- und Management Consulting GmbH.

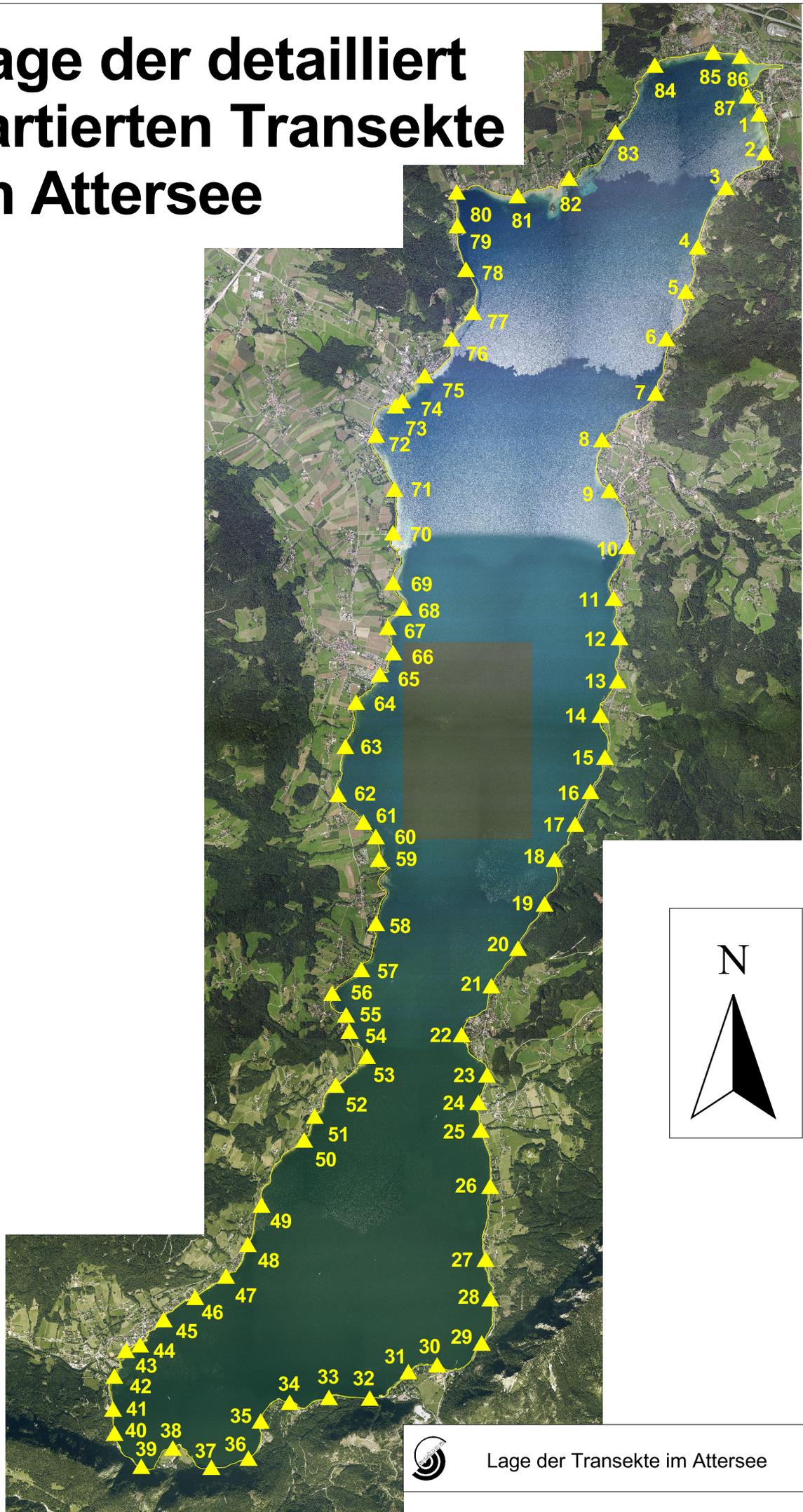
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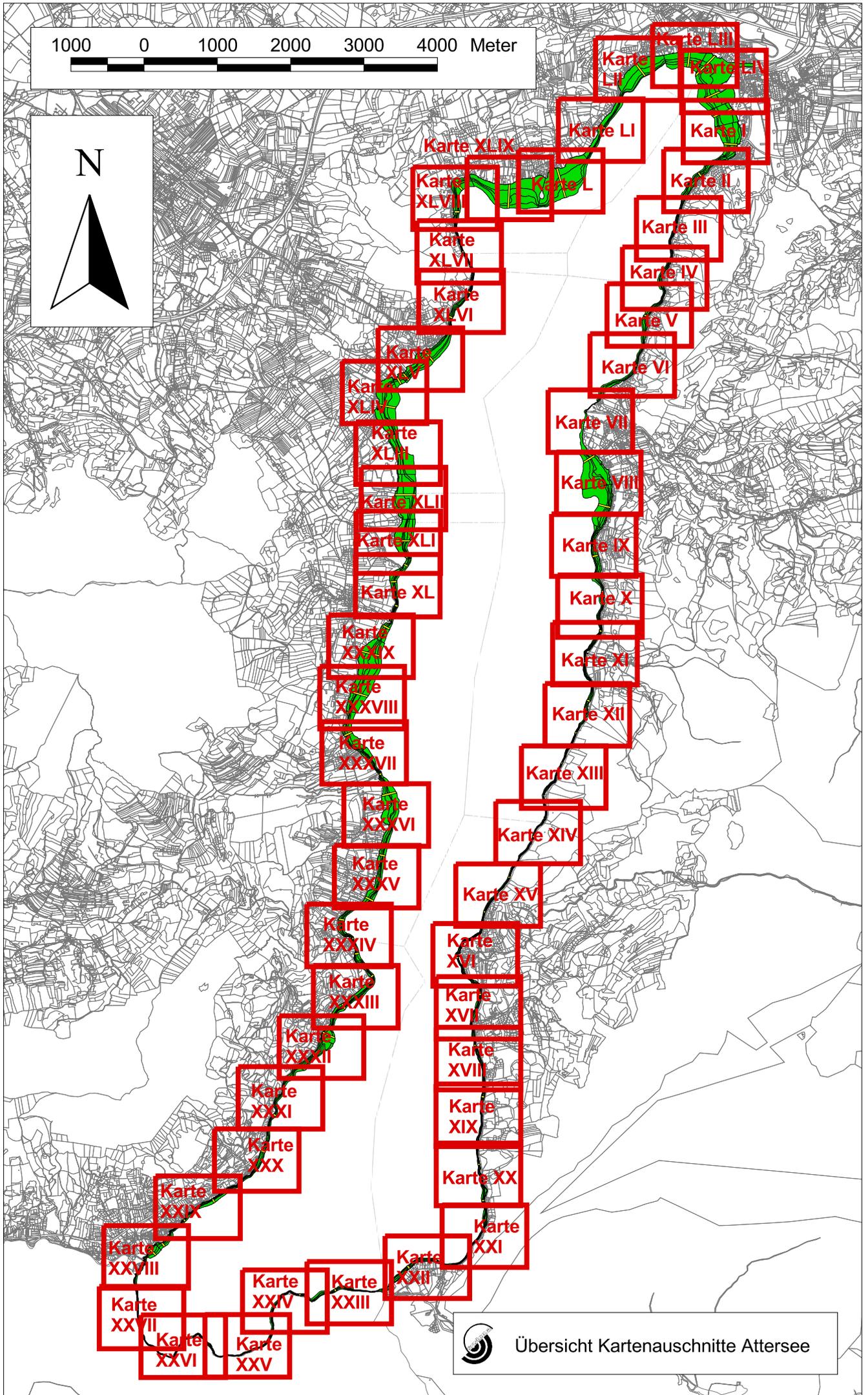


Lage der detailliert kartierten Transekte im Attersee



1000 0 1000 2000 3000 4000 Meter

N



Übersicht Kartenauschnitte Attersee

LEGENDE:

Vegetationstyp

dicht schütter

  Schilf

  Rohrkolben

  Binsen

  Schwimmblattpflanzen

  Characeen des Flachwassers, Strandlingsflur, Zwergbinsen

  Höhere Pflanzen, niederwüchsig

  Zone hochwüchsiger Arten (Laichkrautgürtel)

  Characeen des mittleren Tiefenbereiches

  Characeenwiesen der Tiefe

  Nitellafluren

 kein Makrophytenbewuchs

zusätzliche Schraffuren:

 mit niederwüchsigen Höheren Pflanzen

 mit hochwüchsigen Arten des Laichkrautgürtels

 mit Characeen

 mit Moosen

 Uferlinie

 betauchte Transekte

50 0 50 100 150 Meter



MAKROPHYTENARTEN

Untergetauchte Vegetation

Charophyta

Ch asp*	<i>Chara aspera</i>
Cha con*	<i>Chara contraria</i>
Cha con*	<i>Chara delicatula</i>
Cha glo*	<i>Chara globularis</i>
Cha his*	<i>Chara hispida</i>
Cha int*	<i>Chara intermedia</i>
Cha tom*	<i>Chara tomentosa</i>
Nit fle*	<i>Nitella flexilis</i>
Nit opa*	<i>Nitella opaca</i>
Nit obt*	<i>Nitellopsis obtusa</i>
Tol glo*	<i>Tolypella glomerata</i>

Bryophyta

Cai cus	<i>Calliergonella cf. cuspidata</i>
Eur spe*	<i>Eurhynchium hians</i>
Fis tax	<i>Fissidens taxifolius</i>
Fon ant	<i>Fontinalis antipyretica</i>
Rhy rip	<i>Rhynchostegium riparioides</i>

Spermatophyta

Elo can	<i>Elodea canadensis</i>
Elo nut	<i>Elodea nuttallii</i>
Gro den*	<i>Groenladia densa</i>
Myr spi	<i>Myriophyllum spicatum</i>
Naj int	<i>Najas intermedia</i>
Pot coo	<i>Potamogeton x cooperi</i>
Pot cri	<i>Potamogeton crispus</i>
Pot fil*	<i>Potamogeton filiformis</i>
Pot fri*	<i>Potamogeton friesii</i>
Pot luc*	<i>Potamogeton lucens</i>
Pot nit	<i>Potamogeton x nitens</i>
Pot pec	<i>Potamogeton pectinatus</i>
Pot per*	<i>Potamogeton perfoliatus</i>
Pot pus*	<i>Potamogeton pusillus</i>
Ran cir*	<i>Ranunculus circinatus</i>
Ran tri	<i>Ranunculus trichophyllus</i>
Utr aus*	<i>Utricularia australis</i>
Zan pal*	<i>Zannichellia palustris</i>

Schwimmblattarten

Nup lut*	<i>Nuphar lutea</i>
Nym alb*	<i>Nymphaea alba</i>

Röhrichtarten

Car sp.	<i>Carex sp.</i>
Lyt sal	<i>Lythrum salicaria</i>
Men aqu	<i>Mentha aquatica</i>
P'ha aru	<i>Phalaris arundinacea</i>
Phr aus	<i>Phragmites australis</i>
Sch lac*	<i>Schoenoplectus lacustris</i>
Sol dul	<i>Solanum dulcamara</i>

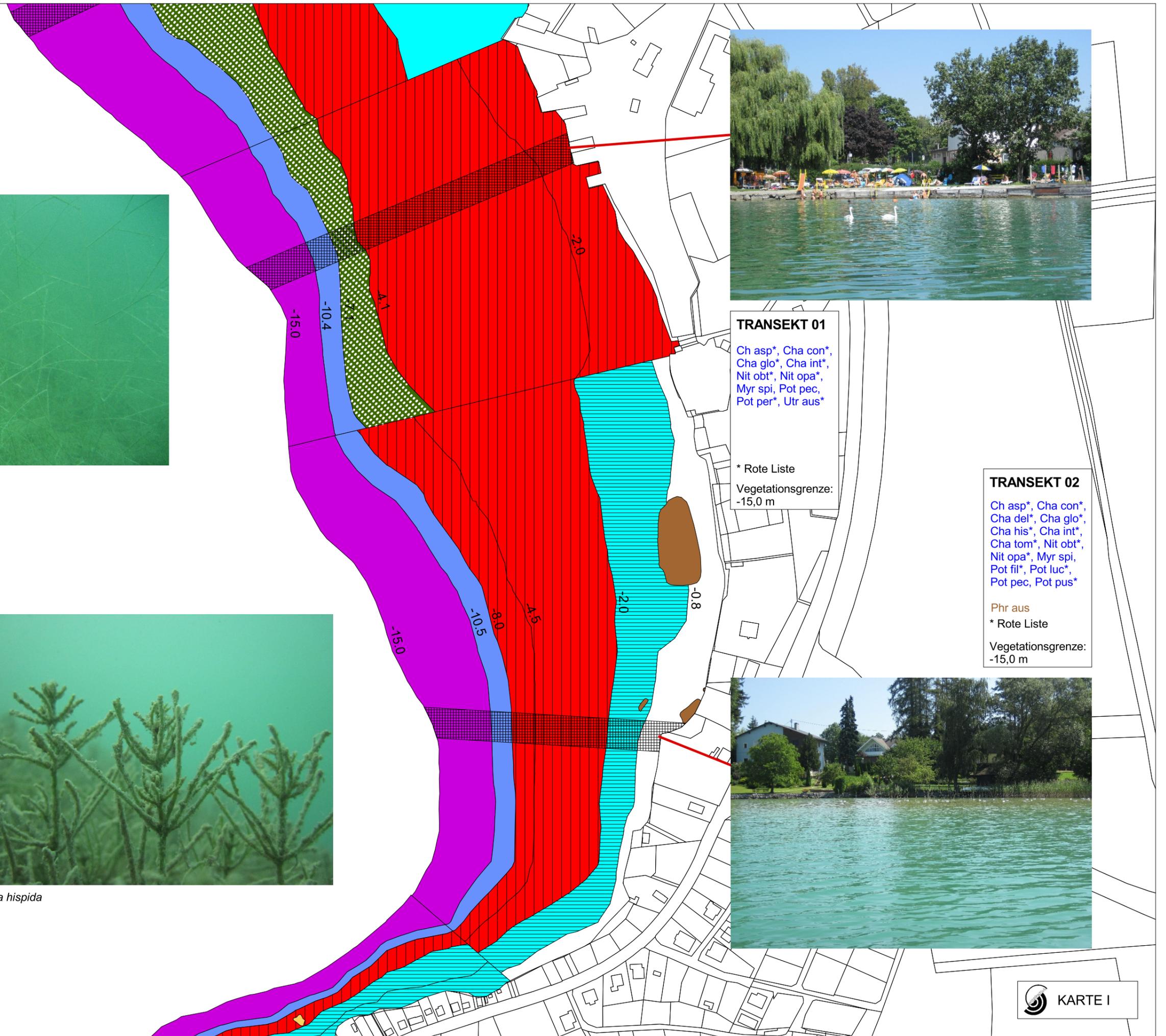
* Arten der Roten Listen



Potamogeton pectinatus



Chara hispida



TRANSEKT 01

Ch asp*, Cha con*,
 Cha glo*, Cha int*,
 Nit obt*, Nit opa*,
 Myr spi, Pot pec,
 Pot per*, Utr aus*

* Rote Liste
 Vegetationsgrenze:
 -15,0 m

TRANSEKT 02

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha his*, Cha int*,
 Cha tom*, Nit obt*,
 Nit opa*, Myr spi,
 Pot fil*, Pot luc*,
 Pot pec, Pot pus*

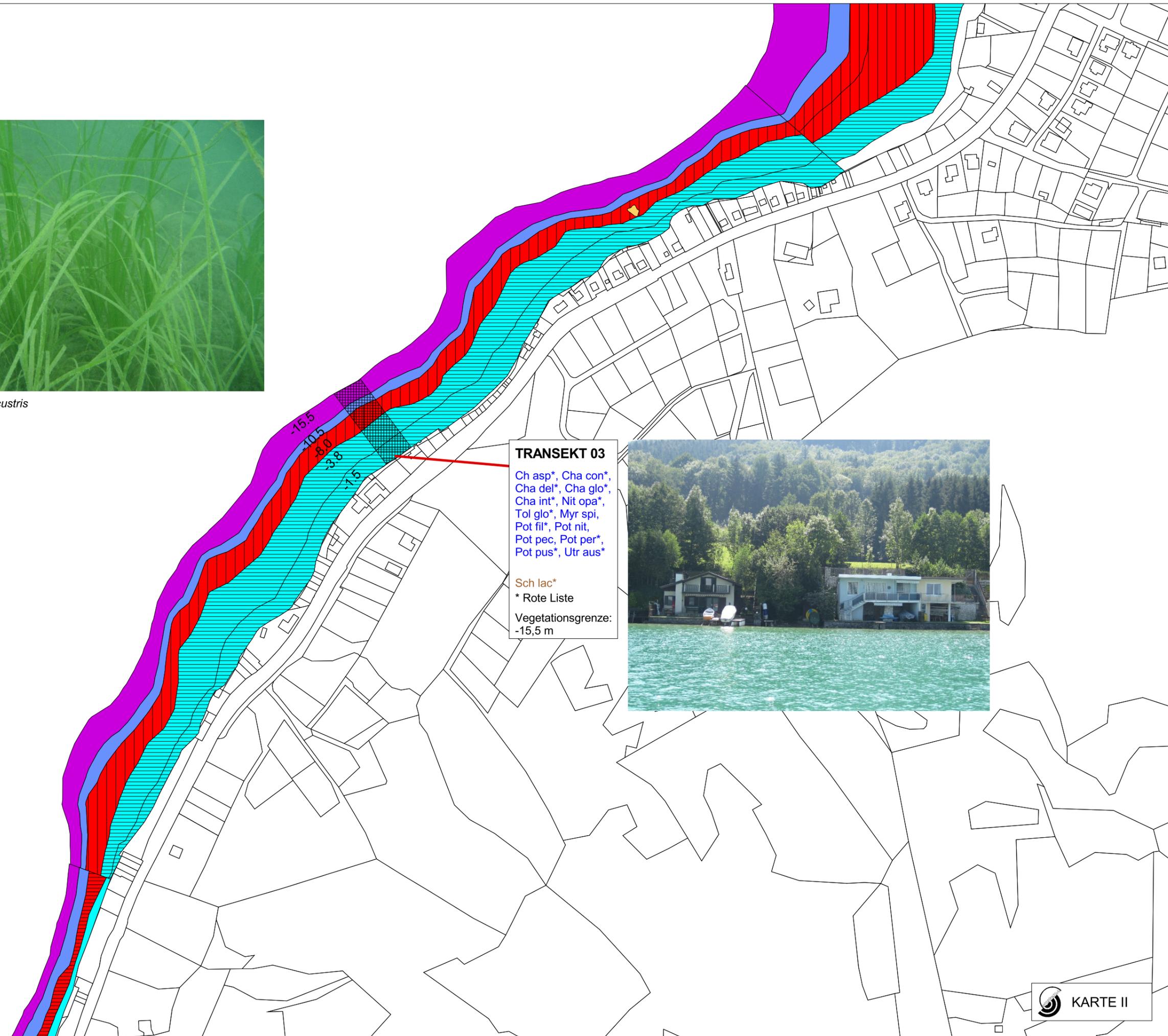
Phr aus
 * Rote Liste

Vegetationsgrenze:
 -15,0 m





Schoenoplectus lacustris



TRANSEKT 03

- Ch asp*, Cha con*,
- Cha del*, Cha glo*,
- Cha int*, Nit opa*,
- Tol glo*, Myr spi,
- Pot fil*, Pot nit,
- Pot pec, Pot per*,
- Pot pus*, Utr aus*

Sch lac*

* Rote Liste

Vegetationsgrenze:
-15,5 m



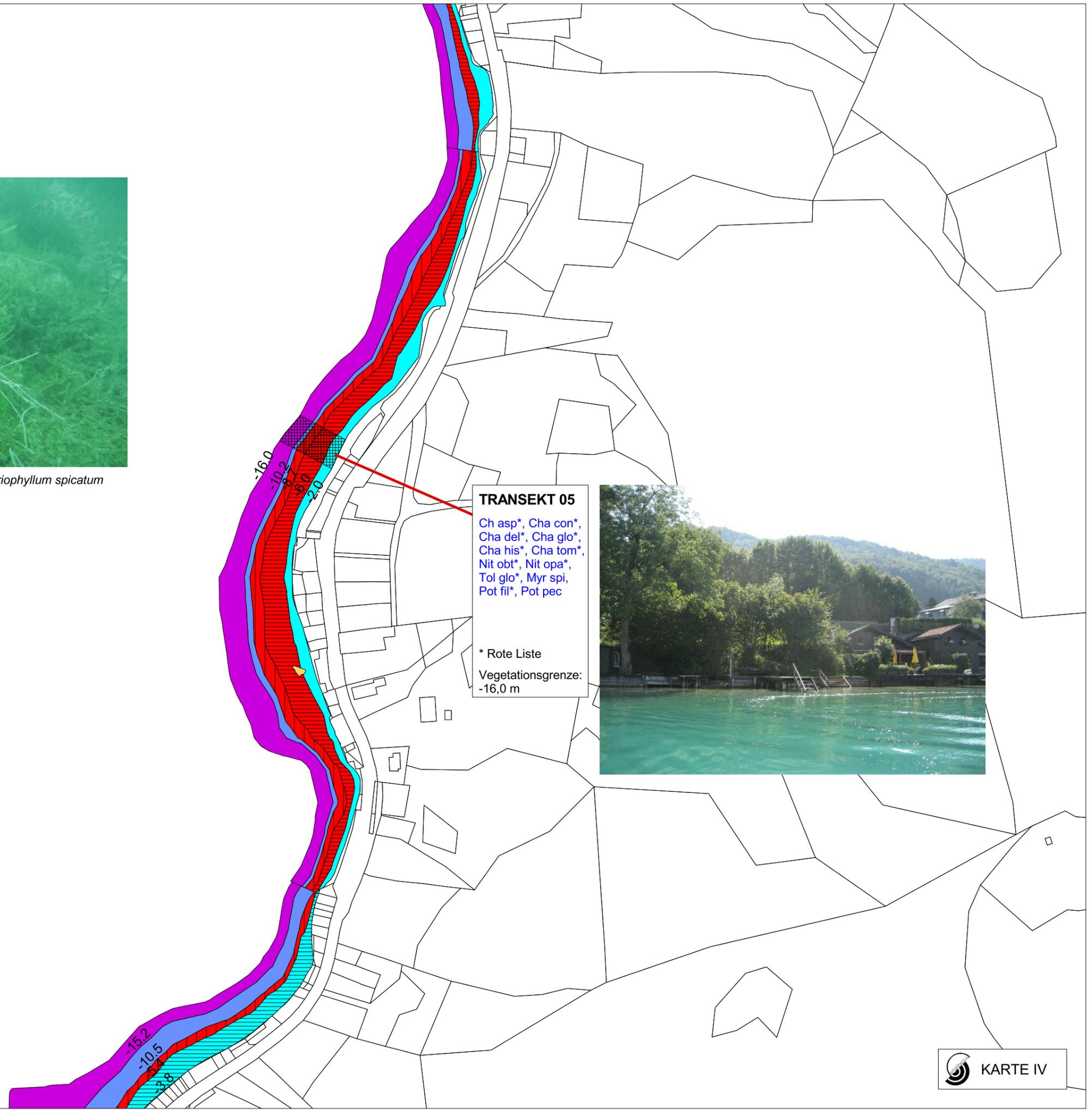


Schoenoplectus lacustris & Characeen





Chara delicatula, Potamogeton pectinatus & Myriophyllum spicatum



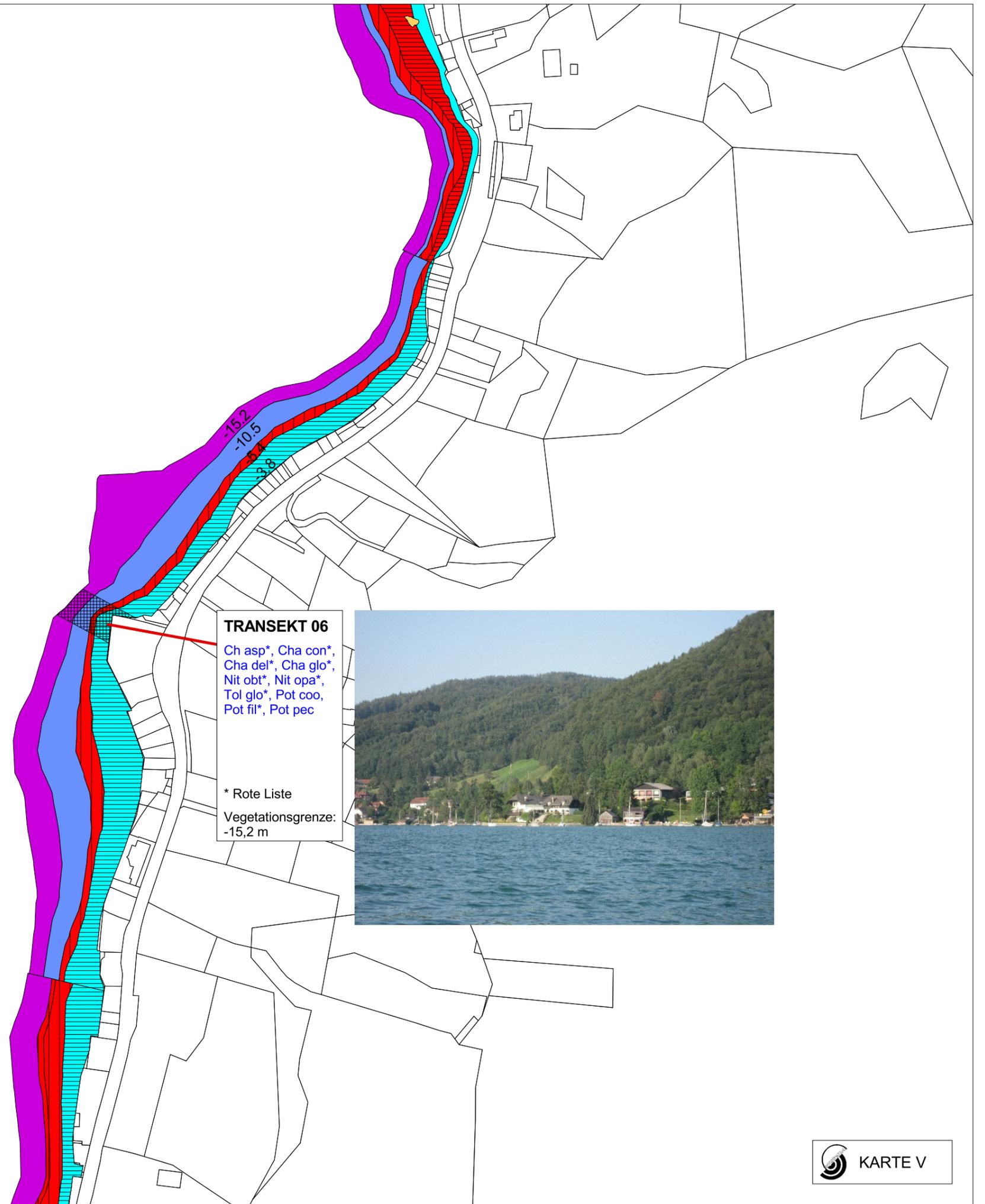
TRANSEKT 05
Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha his*, Cha tom*,
Nit obt*, Nit opa*,
Tol glo*, Myr spi,
Pot fil*, Pot pec

* Rote Liste
Vegetationsgrenze:
-16,0 m



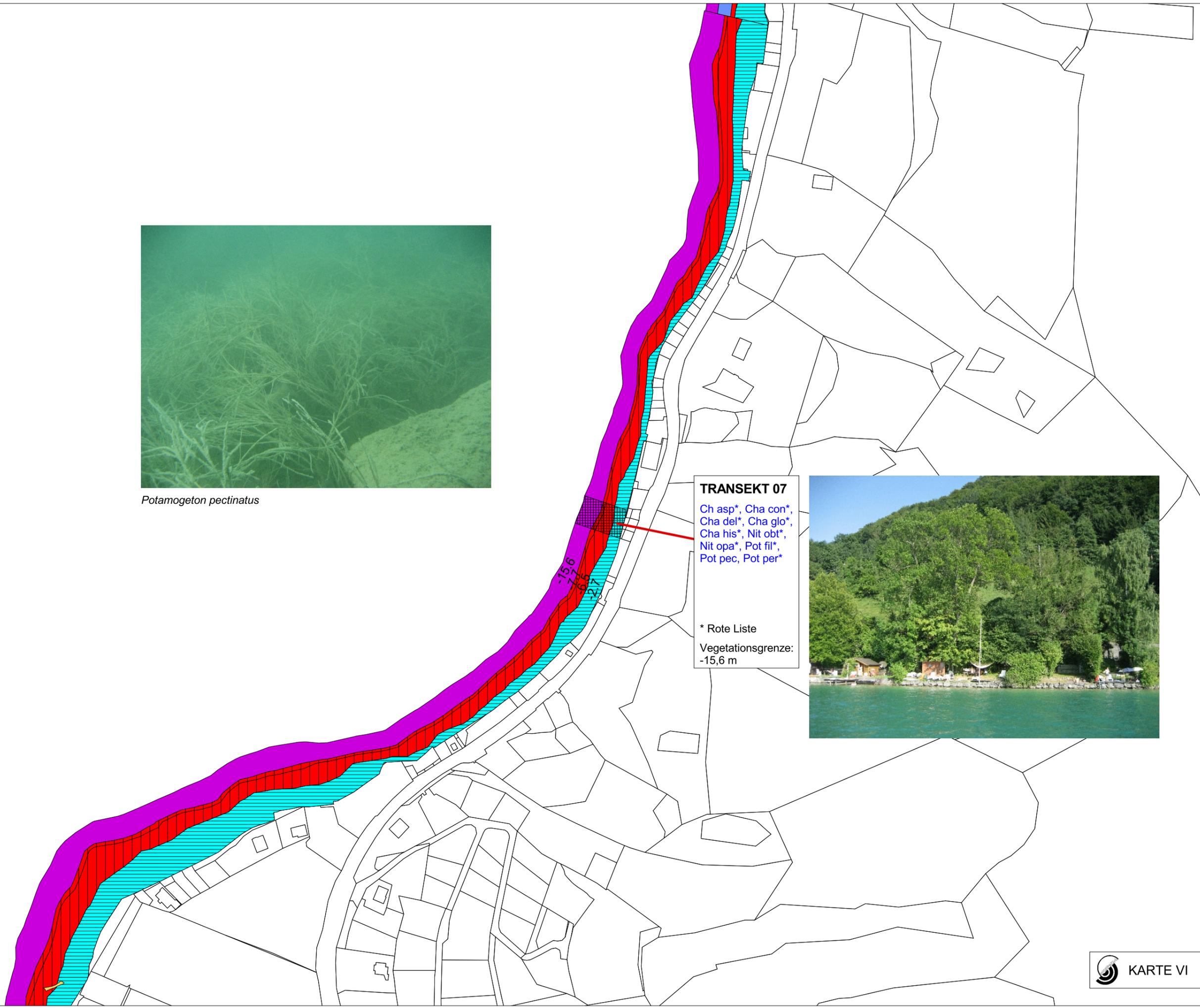


Potamogeton x cooperi





Potamogeton pectinatus



TRANSEKT 07

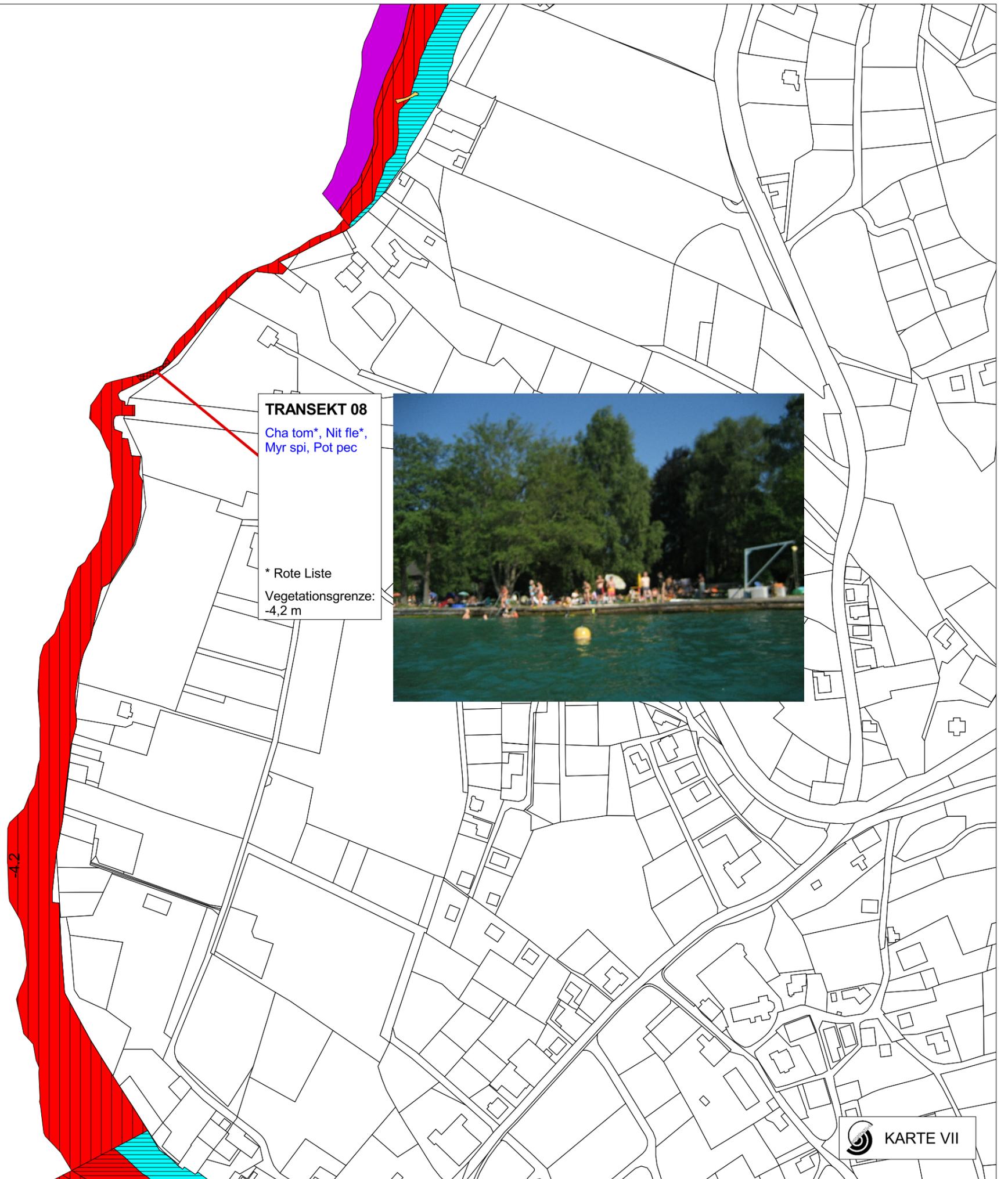
- Ch asp*, Cha con*,
- Cha del*, Cha glo*,
- Cha his*, Nit obt*,
- Nit opa*, Pot fil*,
- Pot pec, Pot per*

* Rote Liste
Vegetationsgrenze:
-15,6 m





Potamogeton pectinatus

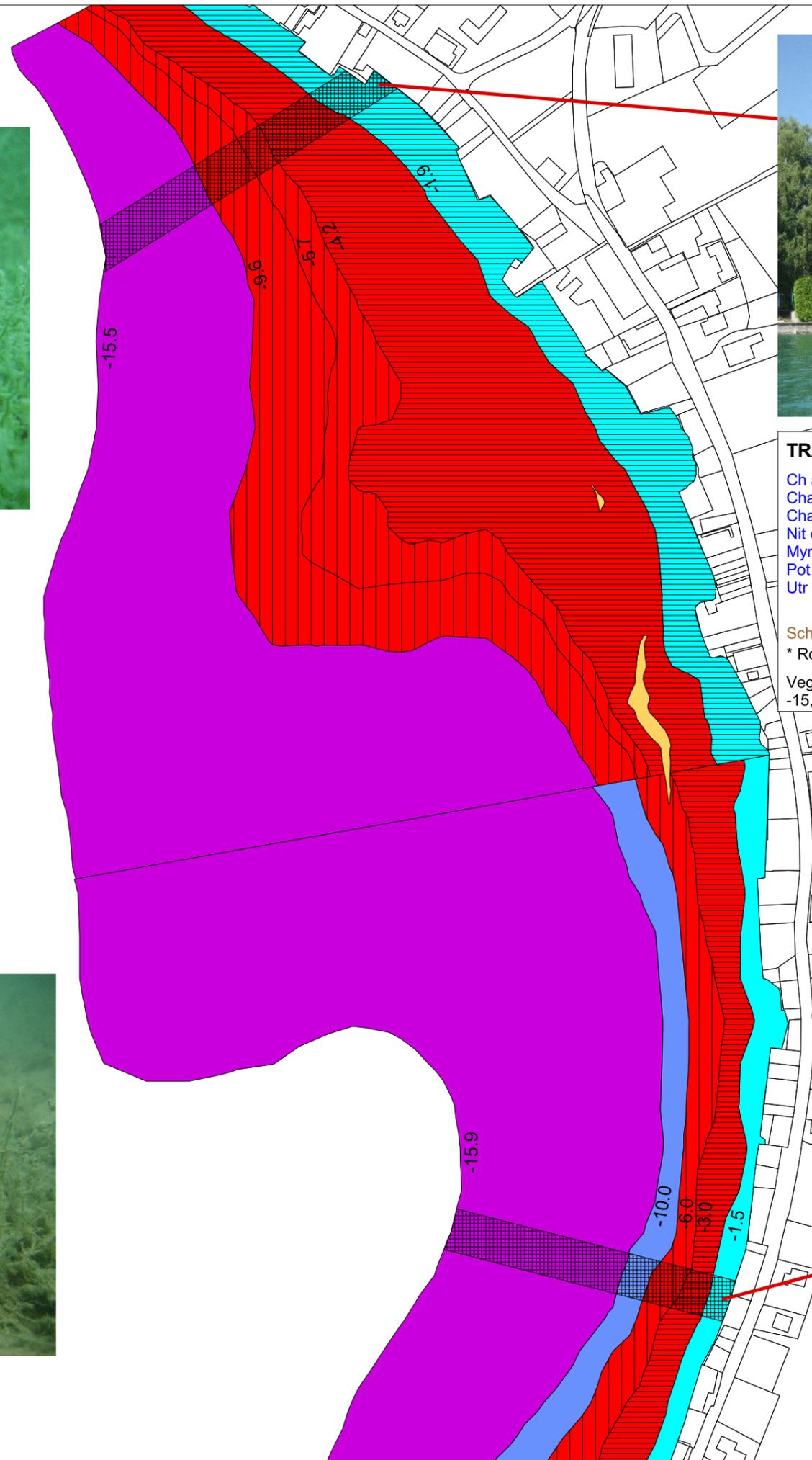




Utricularia australis



Chara tomentosa



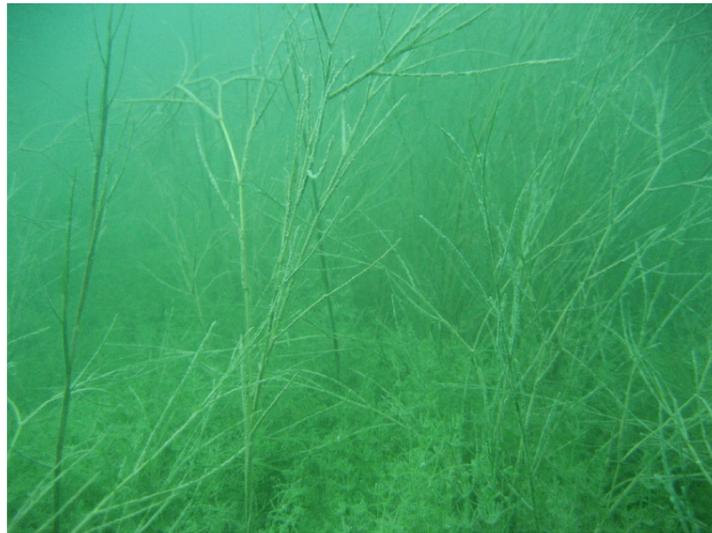
TRANSEKT 09
 Ch asp*, Cha con*,
 Cha del*, Cha int*,
 Cha tom*, Nit fle*,
 Nit obt*, Nit opa*,
 Myr spi, Pot fil*,
 Pot pec, Pot per*,
 Utr aus*

Sch lac*
 * Rote Liste
 Vegetationsgrenze:
 -15,5 m

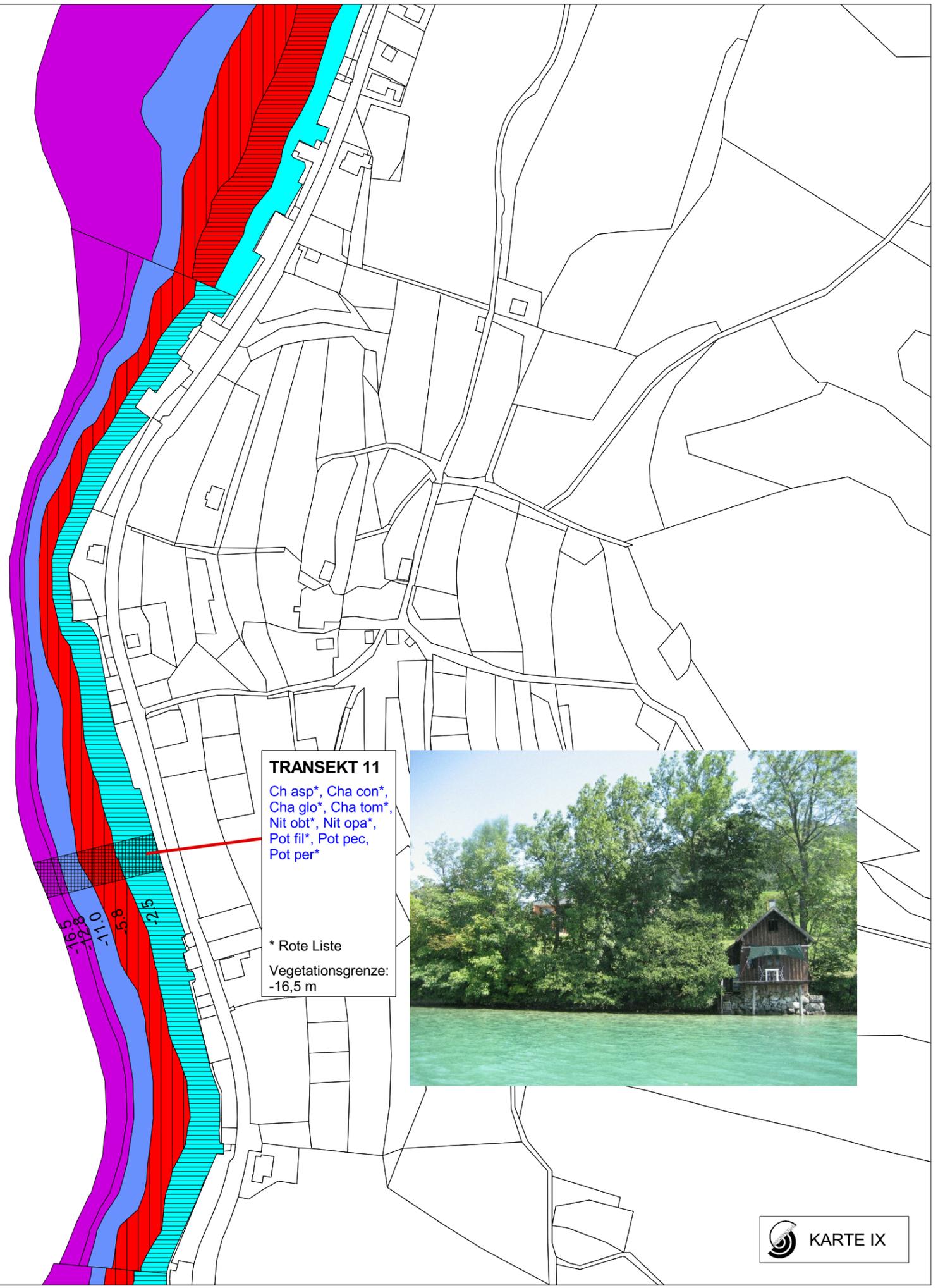
TRANSEKT 10
 Ch asp*, Cha con*,
 Cha del*, Cha his*,
 Cha tom*, Nit fle*,
 Nit obt*, Nit opa*,
 Myr spi, Pot fil*,
 Pot pec, Pot per*,
 Pot pus*, Utr aus*

* Rote Liste
 Vegetationsgrenze:
 -15,9 m





Potamogeton pectinatus

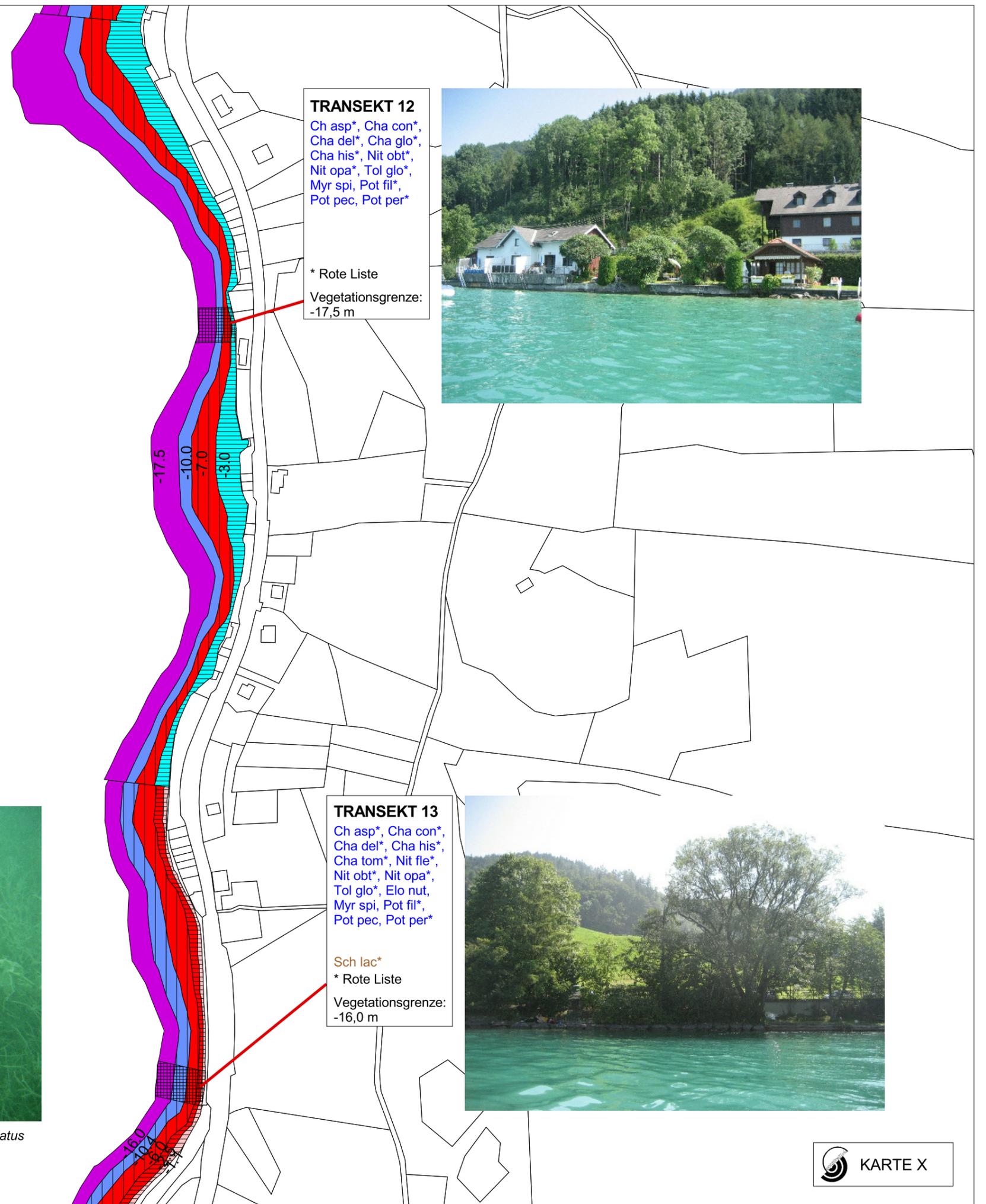




Potamogeton filiformis



Nitellopsis obtusa, Myriophyllum spicatum & Potamogeton perfoliatus

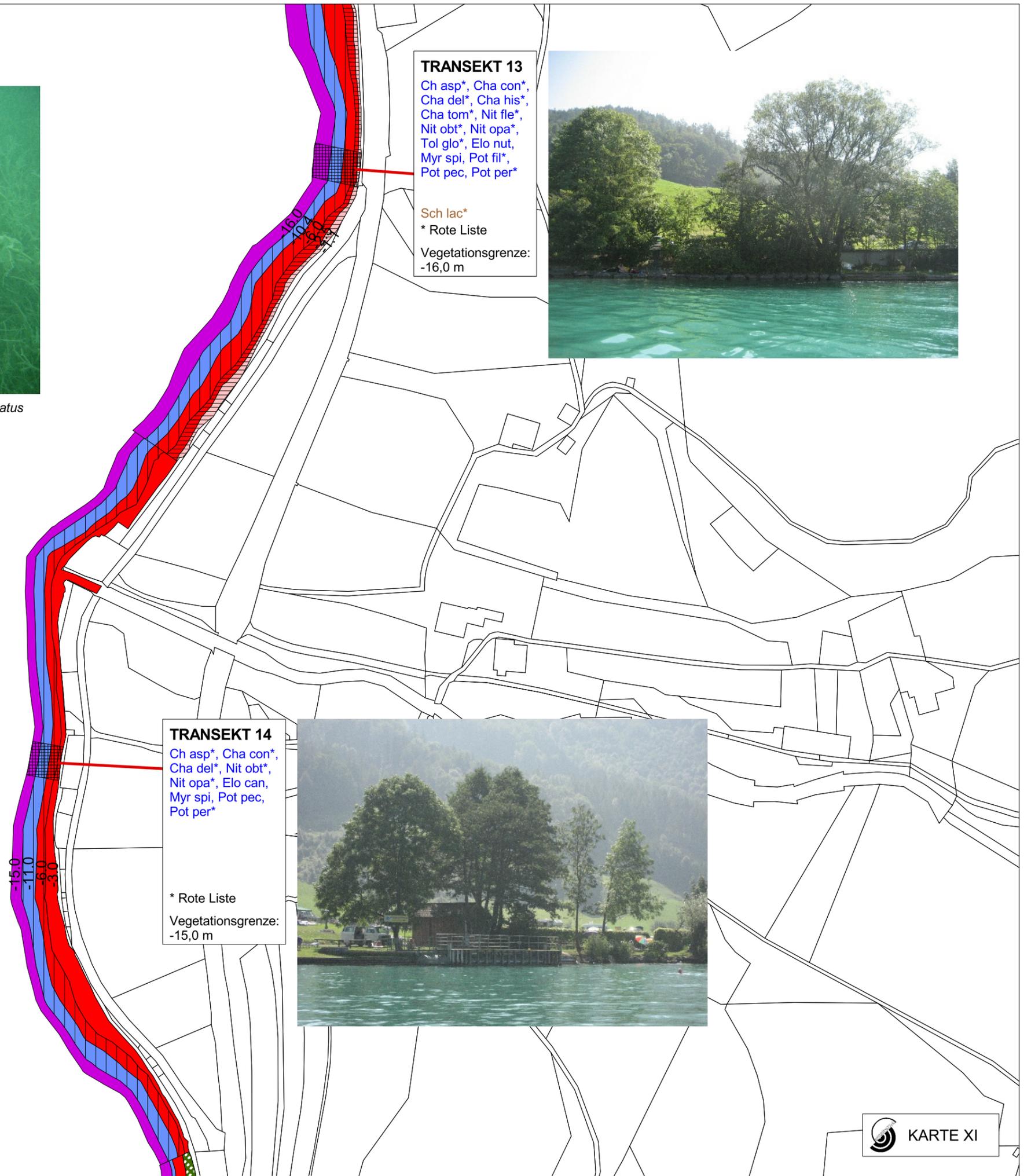




Nitellopsis obtusa, Myriophyllum spicatum & Potamogeton perfoliatus



Potamogeton pectinatus

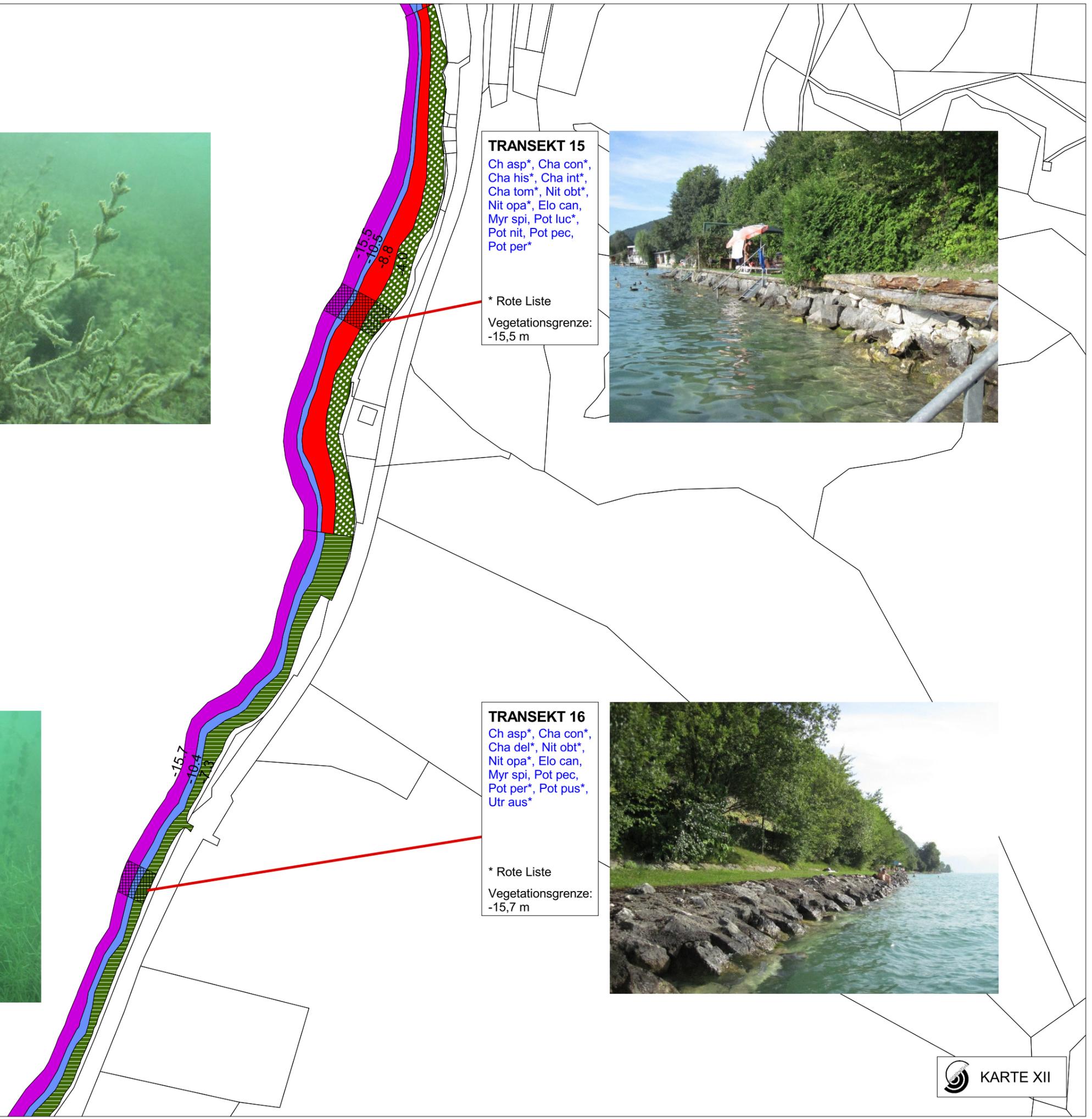




Chara tomentosa



Potamogeton perfoliatus



TRANSEKT 15

Ch asp*, Cha con*,
Cha his*, Cha int*,
Cha tom*, Nit obt*,
Nit opa*, Elo can,
Myr spi, Pot luc*,
Pot nit, Pot pec,
Pot per*

* Rote Liste

Vegetationsgrenze:
-15,5 m



TRANSEKT 16

Ch asp*, Cha con*,
Cha del*, Nit obt*,
Nit opa*, Elo can,
Myr spi, Pot pec,
Pot per*, Pot pus*,
Utr aus*

* Rote Liste

Vegetationsgrenze:
-15,7 m

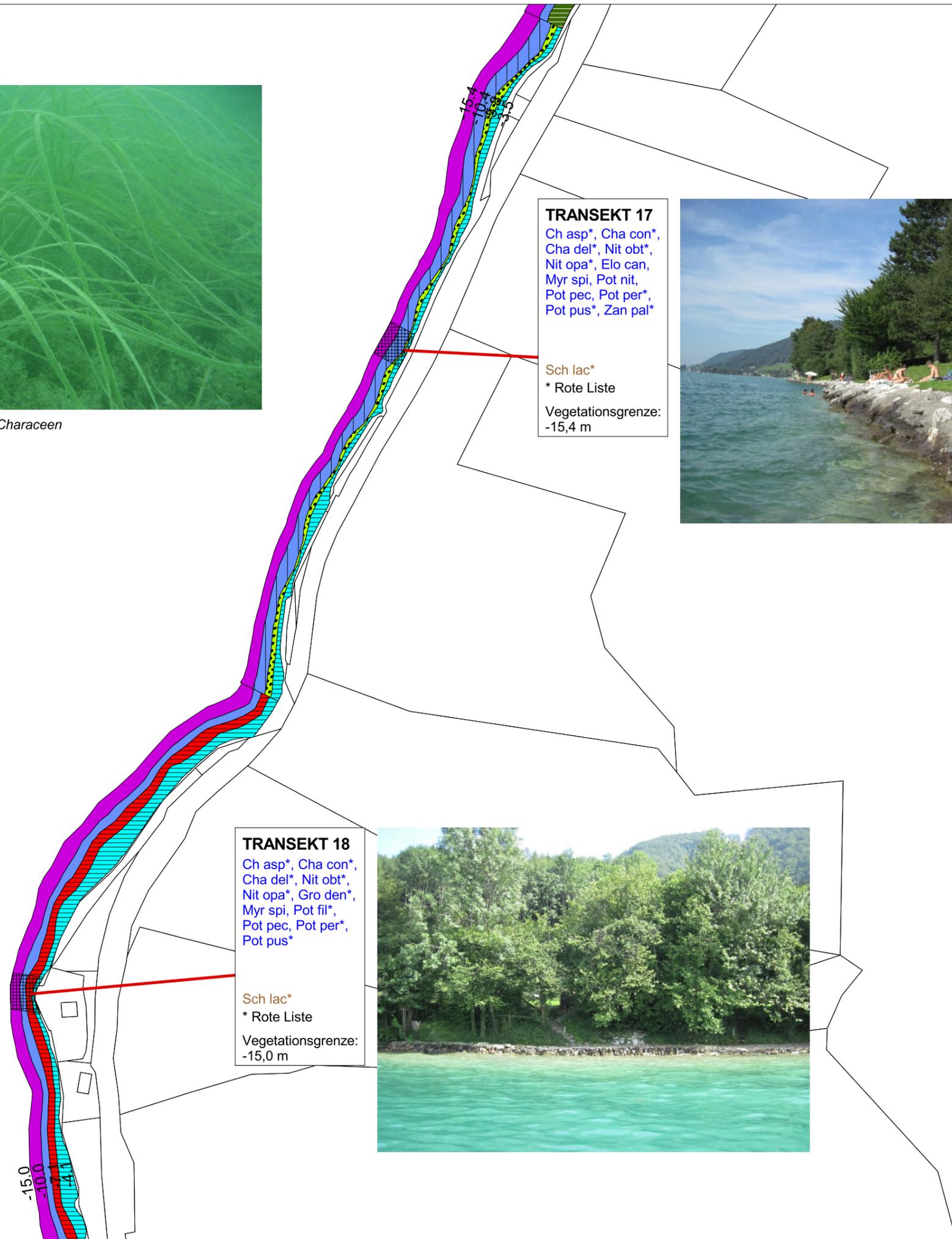




Schoenoplectus lacustris & Characeen



Myriophyllum spicatum



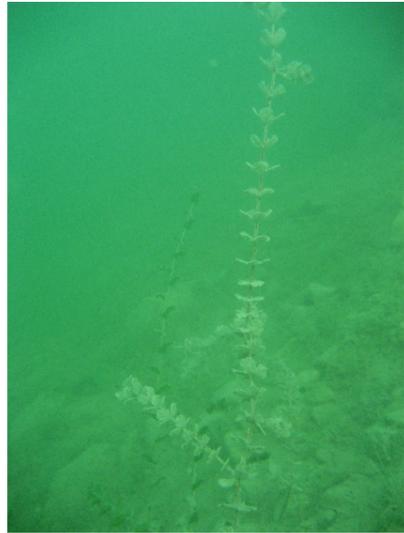
TRANSEKT 17
 Ch asp*, Cha con*,
 Cha del*, Nit obt*,
 Nit opa*, Elo can,
 Myr spi, Pot nit,
 Pot pec, Pot per*,
 Pot pus*, Zan pal*

Sch lac*
 * Rote Liste
 Vegetationsgrenze:
 -15,4 m

TRANSEKT 18
 Ch asp*, Cha con*,
 Cha del*, Nit obt*,
 Nit opa*, Gro den*,
 Myr spi, Pot fil*,
 Pot pec, Pot per*,
 Pot pus*

Sch lac*
 * Rote Liste
 Vegetationsgrenze:
 -15,0 m





Myriophyllum spicatum



TRANSEKT 19
Cha con*, Cha del*,
Nit fle*, Nit obt*,
Nit opa*, Elo nut,
Myr spi, Pot fil*,
Pot nit, Pot pec,
Pot per*, Pot pus*,
Zan pal*

* Rote Liste
Vegetationsgrenze:
-18,0 m

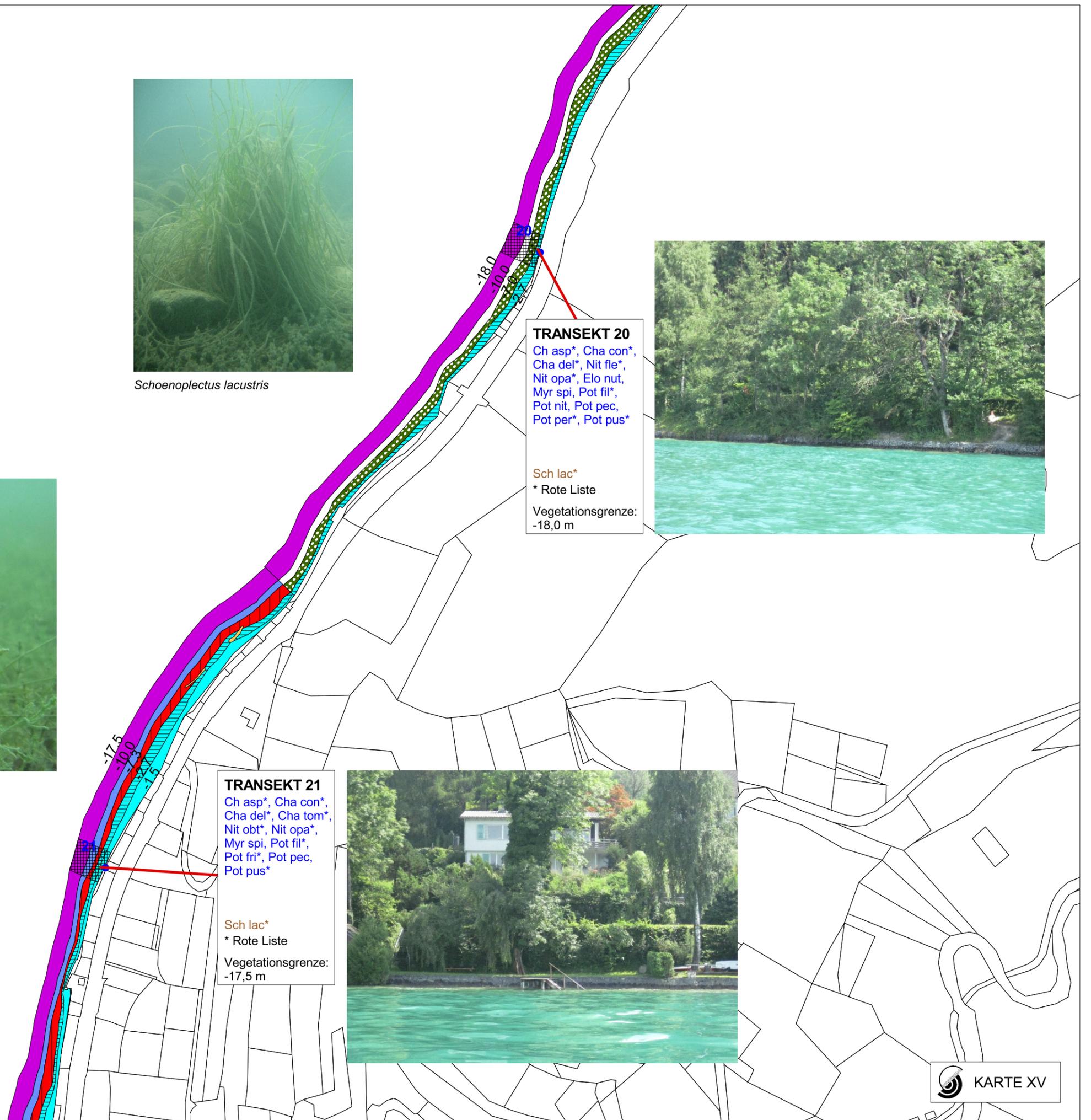




Schoenoplectus lacustris



Chara tomentosa



TRANSEKT 20
 Ch asp*, Cha con*,
 Cha del*, Nit fle*,
 Nit opa*, Elo nut,
 Myr spi, Pot fil*,
 Pot nit, Pot pec,
 Pot per*, Pot pus*

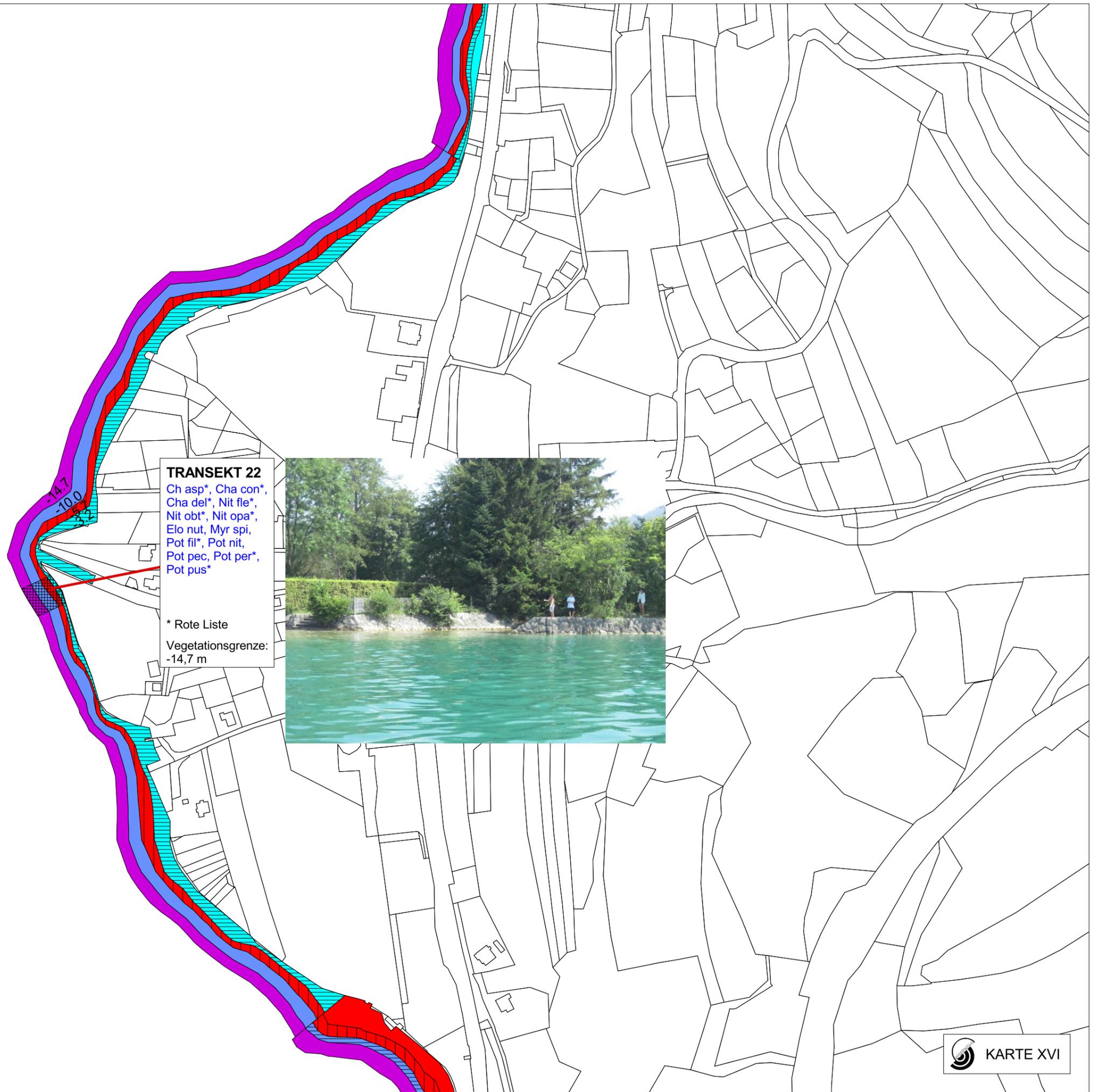
Sch lac*
 * Rote Liste
 Vegetationsgrenze:
 -18,0 m

TRANSEKT 21
 Ch asp*, Cha con*,
 Cha del*, Cha tom*,
 Nit obt*, Nit opa*,
 Myr spi, Pot fil*,
 Pot fri*, Pot pec,
 Pot pus*

Sch lac*
 * Rote Liste
 Vegetationsgrenze:
 -17,5 m

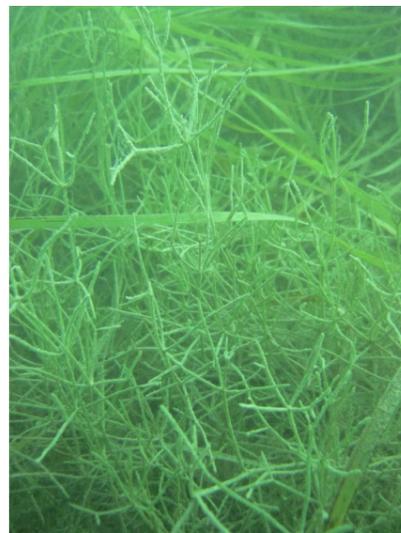


Elodea nuttallii

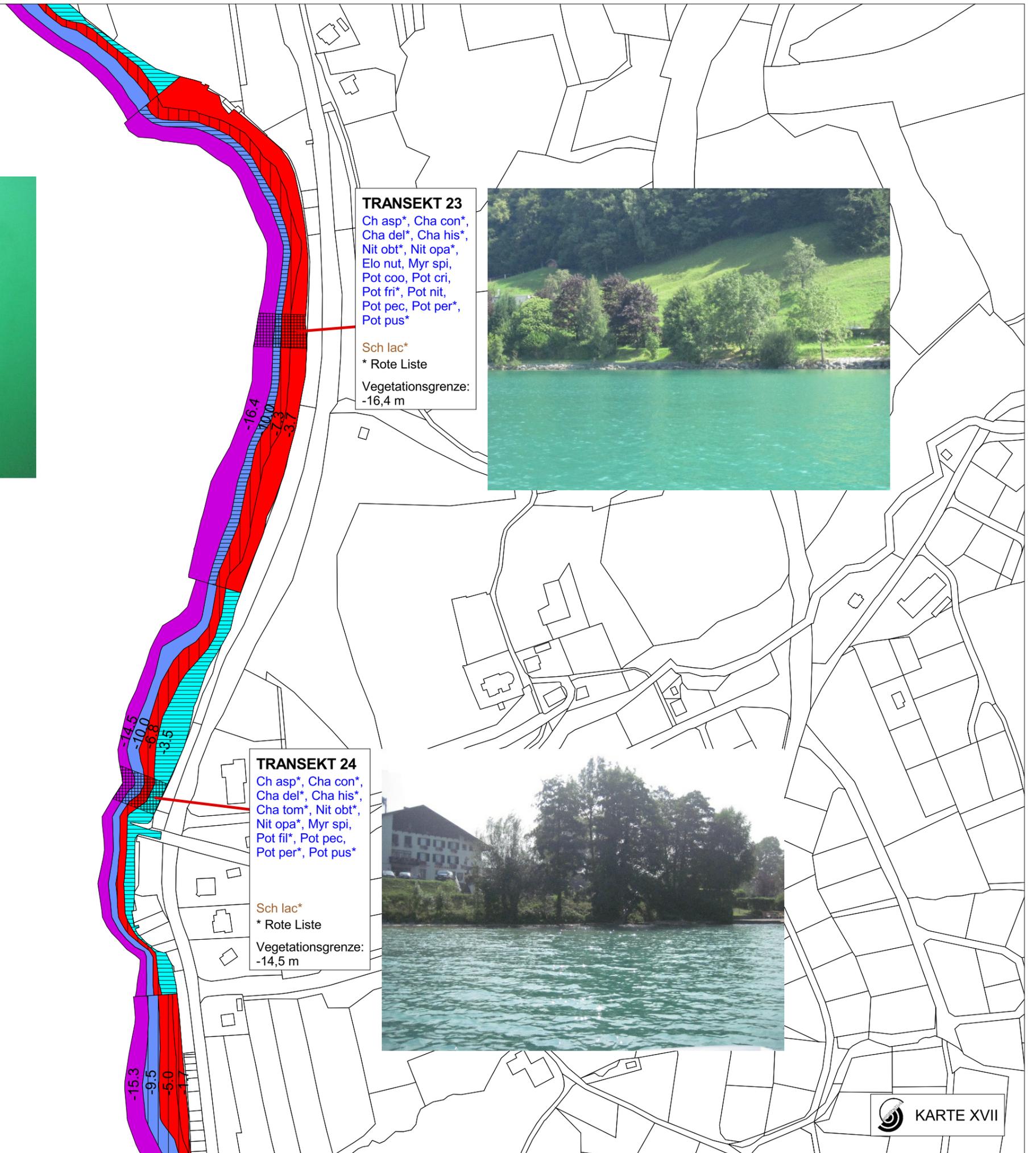




Potamogeton perfoliatus



Nitellopsis obtusa & Schoenoplectus lacustris

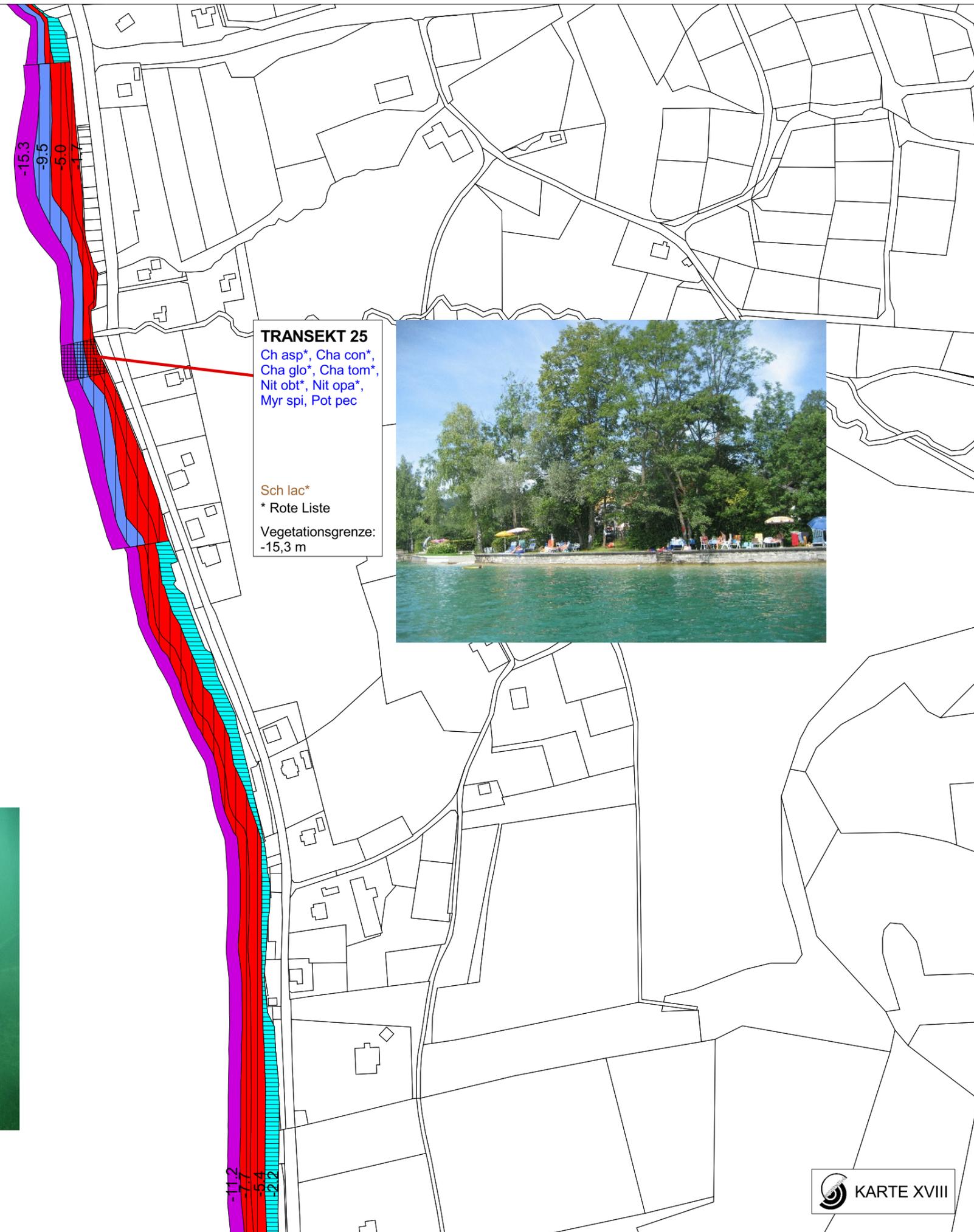




Nitella opaca

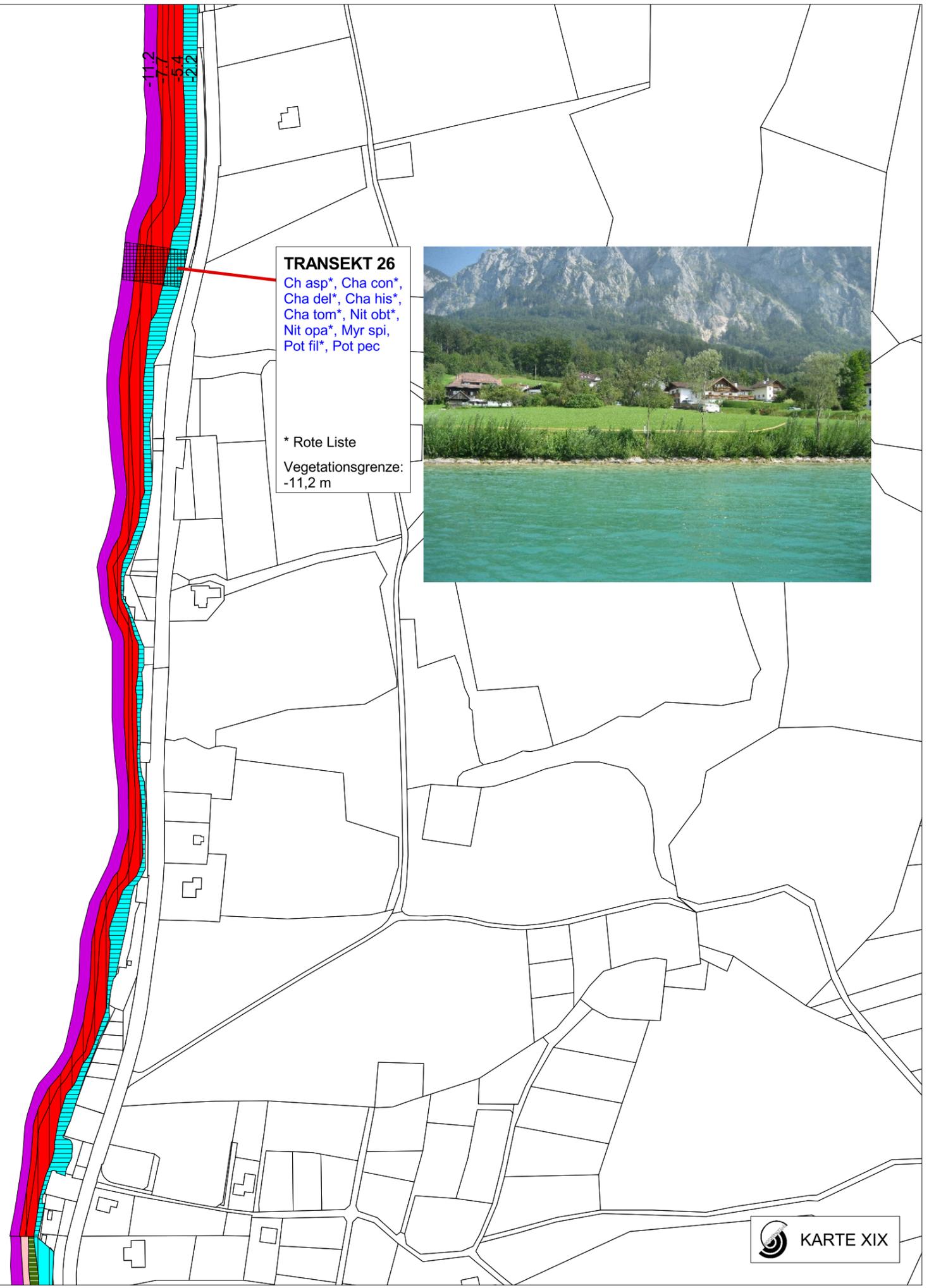


Potamogeton pectinatus





Potamogeton pectinatus

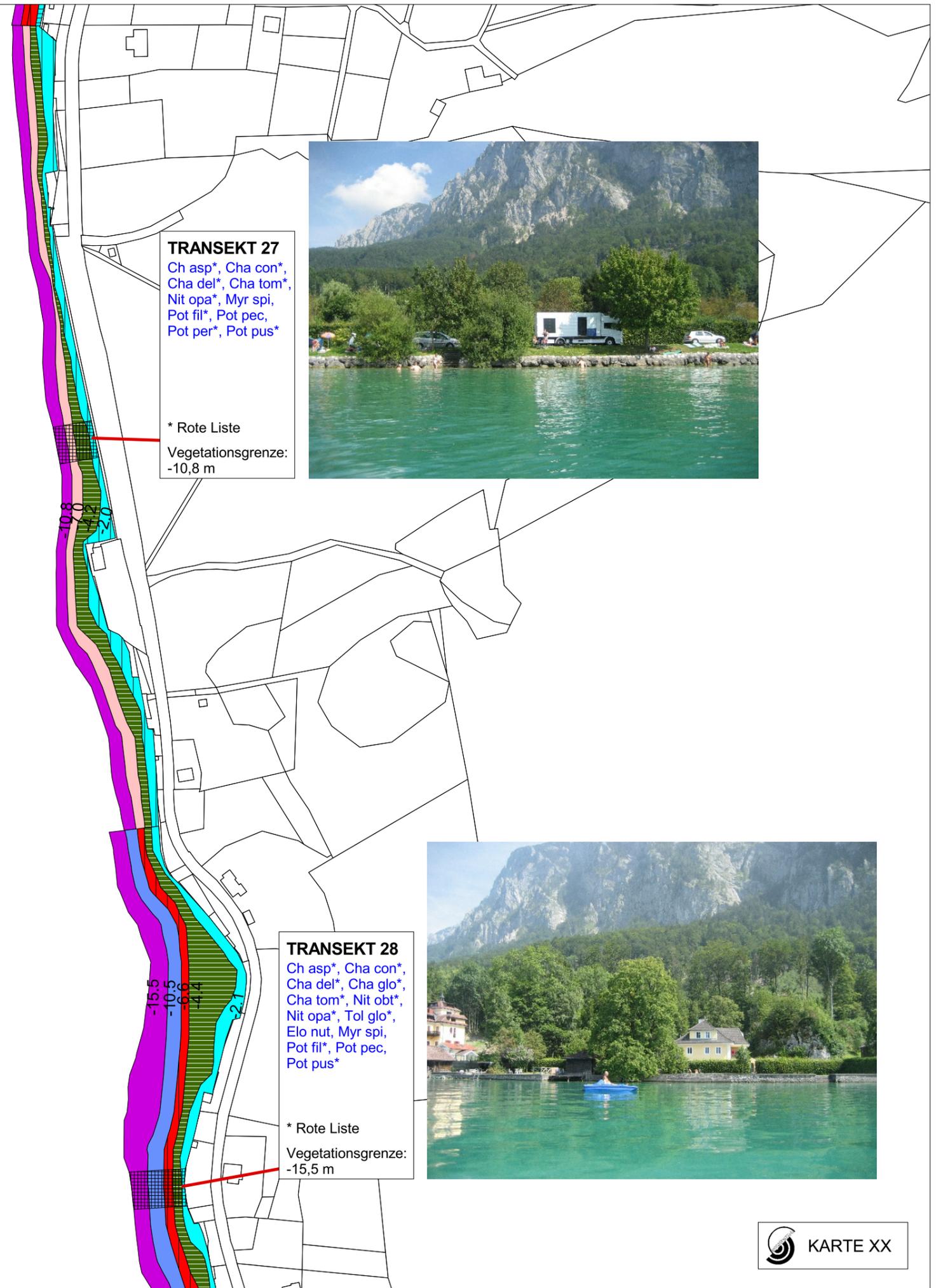




Chara aspera & Chara tomentosa

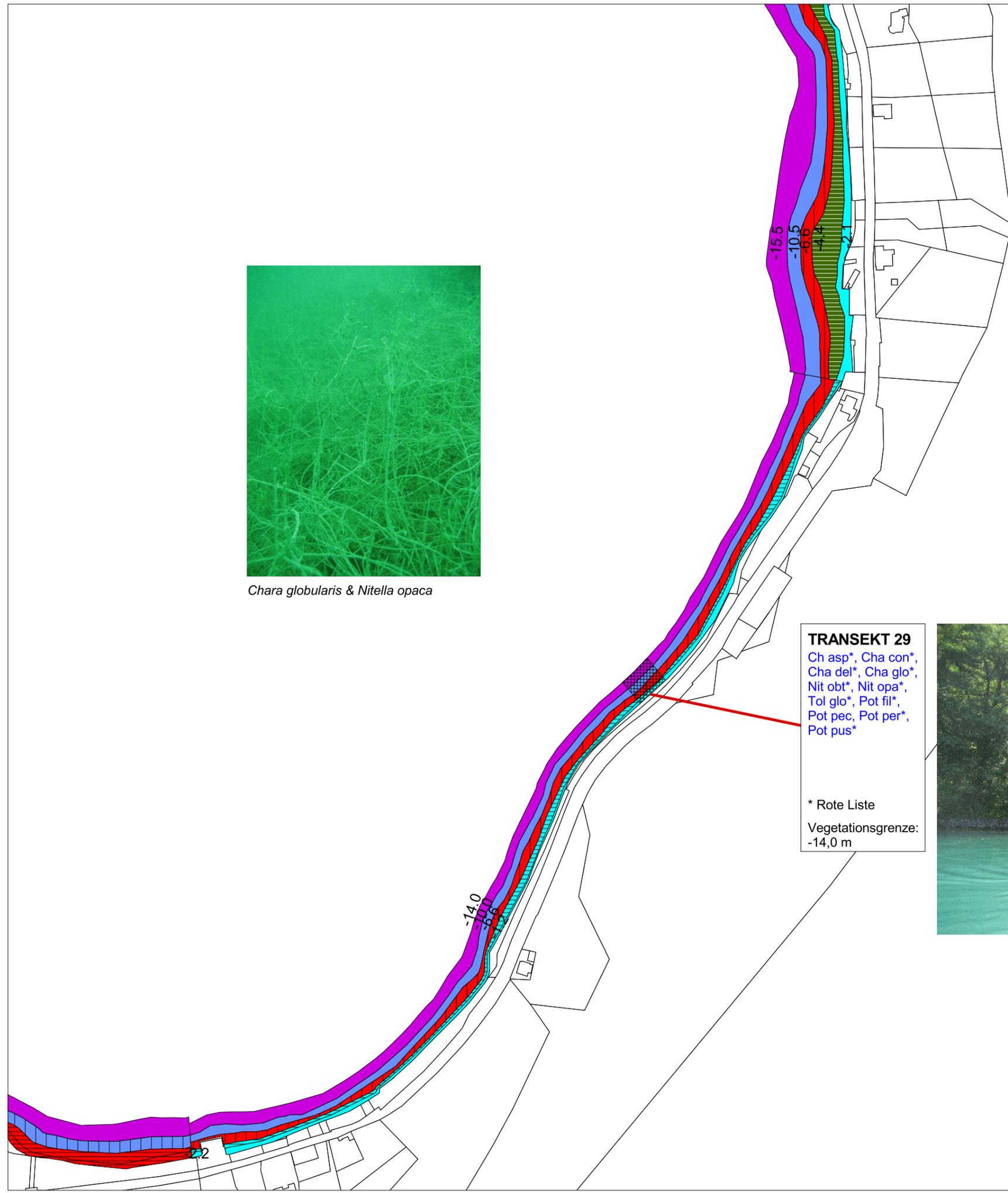


Myriophyllum spicatum





Chara globularis & *Nitella opaca*



TRANSEKT 29

- Ch asp*, Cha con*,
- Cha del*, Cha glo*,
- Nit obt*, Nit opa*,
- Tol glo*, Pot fil*,
- Pot pec, Pot per*,
- Pot pus*

* Rote Liste

Vegetationsgrenze:
-14,0 m





Chara tomentosa



Najas intermedia



TRANSEKT 30

- Ch asp*, Cha con*,
- Cha del*, Nit obt*,
- Nit opa*, Tol glo*,
- Myr spi, Naj int,
- Pot fil*, Pot pec,
- Pot per*, Pot pus*,
- Ran tri, Utr aus*,
- Zan pal*

* Rote Liste
Vegetationsgrenze:
-16,0 m

TRANSEKT 31

- Ch asp*, Cha con*,
- Cha del*, Cha glo*,
- Cha tom*, Nit obt*,
- Nit opa*, Tol glo*,
- Myr spi, Pot pec

* Rote Liste
Vegetationsgrenze:
-15,0 m

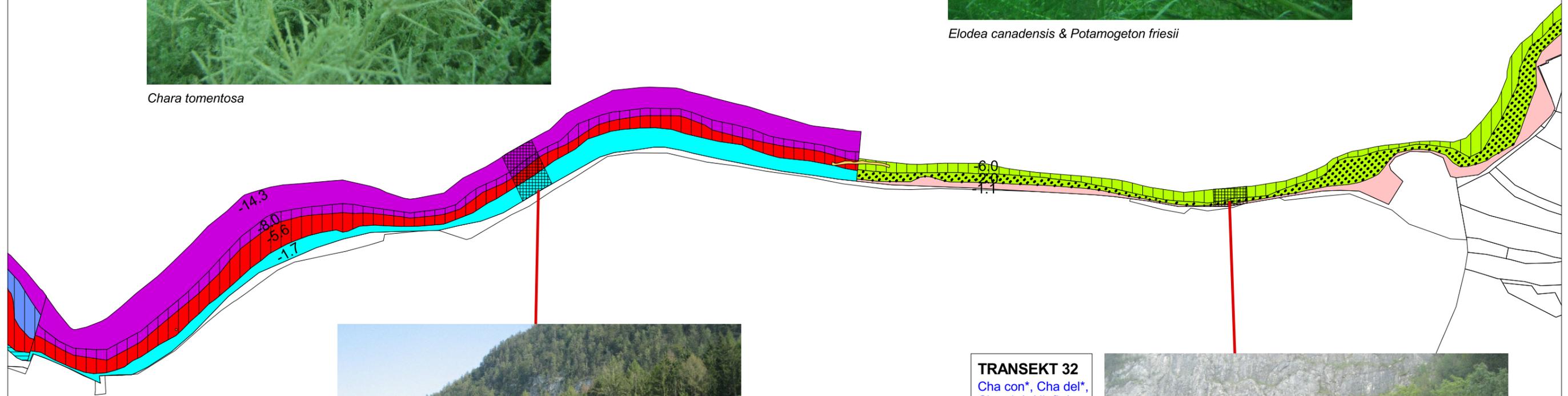




Chara tomentosa

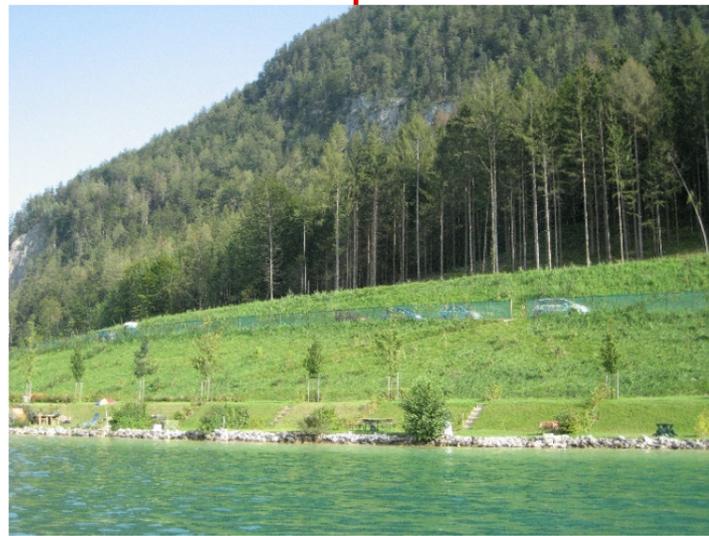


Elodea canadensis & Potamogeton friesii



TRANSEKT 33
 Ch asp*, Cha con*,
 Cha del*, Cha tom*,
 Nit opa*, Myr spi,
 Pot pec, Pot pus*

* Rote Liste
 Vegetationsgrenze:
 -14,3 m



TRANSEKT 32
 Cha con*, Cha del*,
 Cha glo*, Nit fle*,
 Nit obt*, Elo can,
 Myr spi, Pot fri*,
 Pot pec, Pot per*,
 Pot pus*, Zan pal*

* Rote Liste
 Vegetationsgrenze:
 -6,0 m

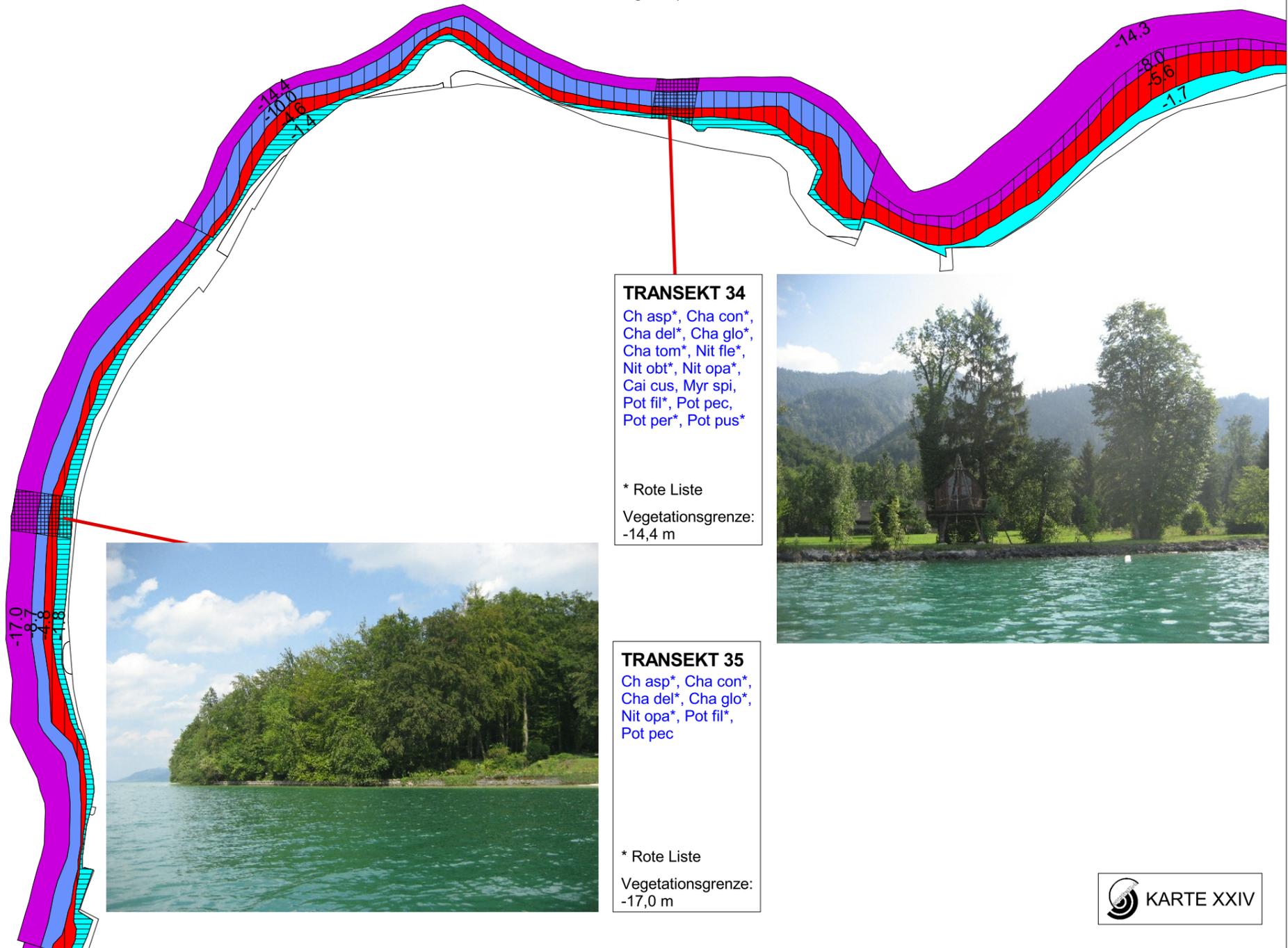




Potamogeton perfoliatus & *Chara contraria*



Chara contraria & *Chara globularis*



TRANSEKT 34

- Ch asp*, Cha con*,
- Cha del*, Cha glo*,
- Cha tom*, Nit fle*,
- Nit obt*, Nit opa*,
- Cai cus, Myr spi,
- Pot fil*, Pot pec,
- Pot per*, Pot pus*

* Rote Liste
Vegetationsgrenze:
-14,4 m

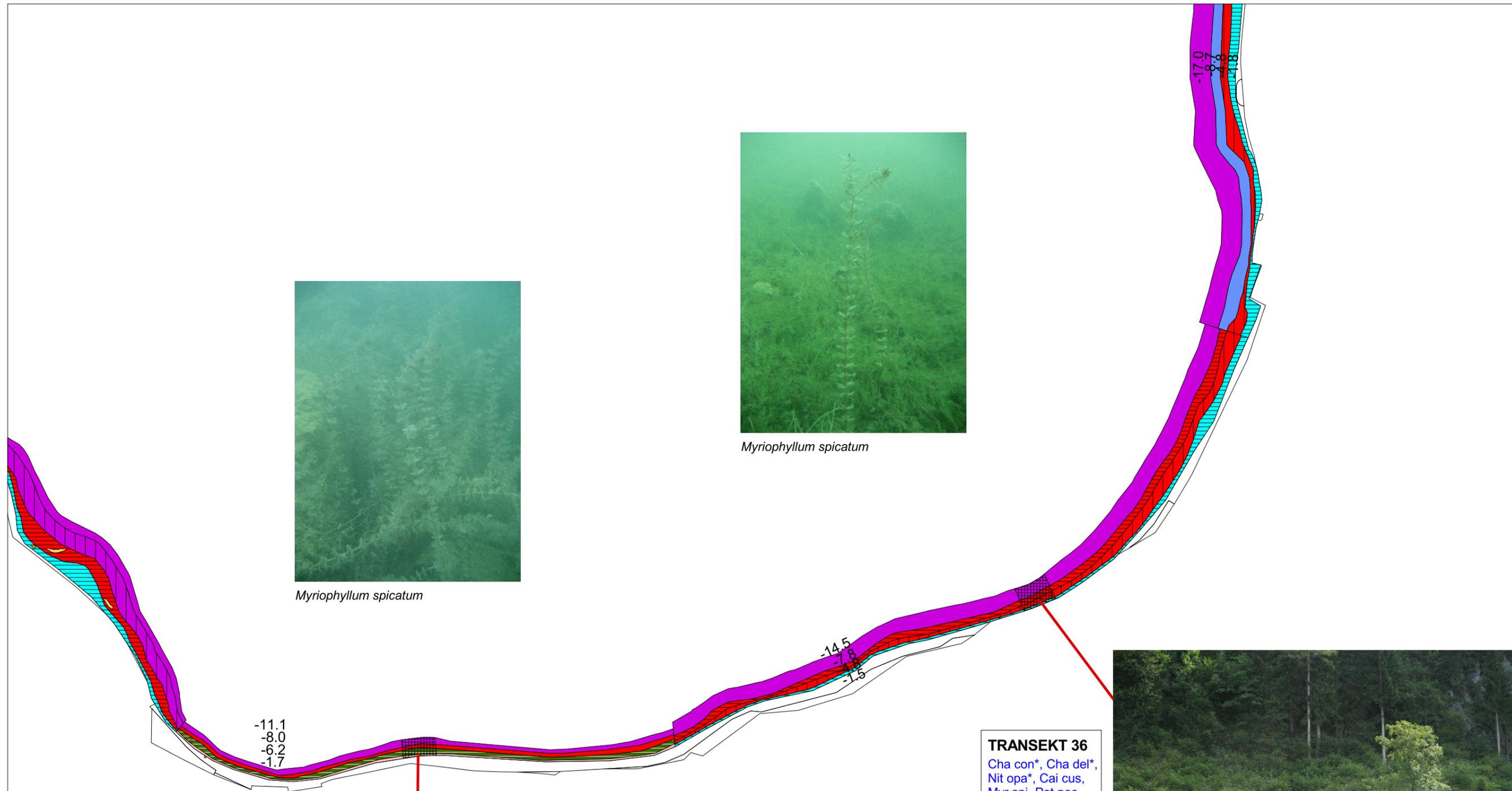


TRANSEKT 35

- Ch asp*, Cha con*,
- Cha del*, Cha glo*,
- Nit opa*, Pot fil*,
- Pot pec

* Rote Liste
Vegetationsgrenze:
-17,0 m

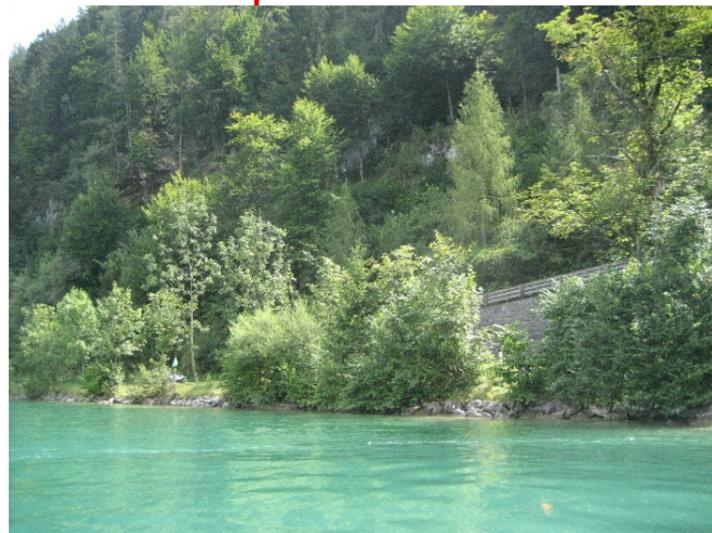




Myriophyllum spicatum



Myriophyllum spicatum



TRANSEKT 37

Cha con*, Cha del*,
Cha glo*, Nit obt*,
Nit opa*, Elo nut,
Myr spi, Pot pec,
Pot per*, Pot pus*

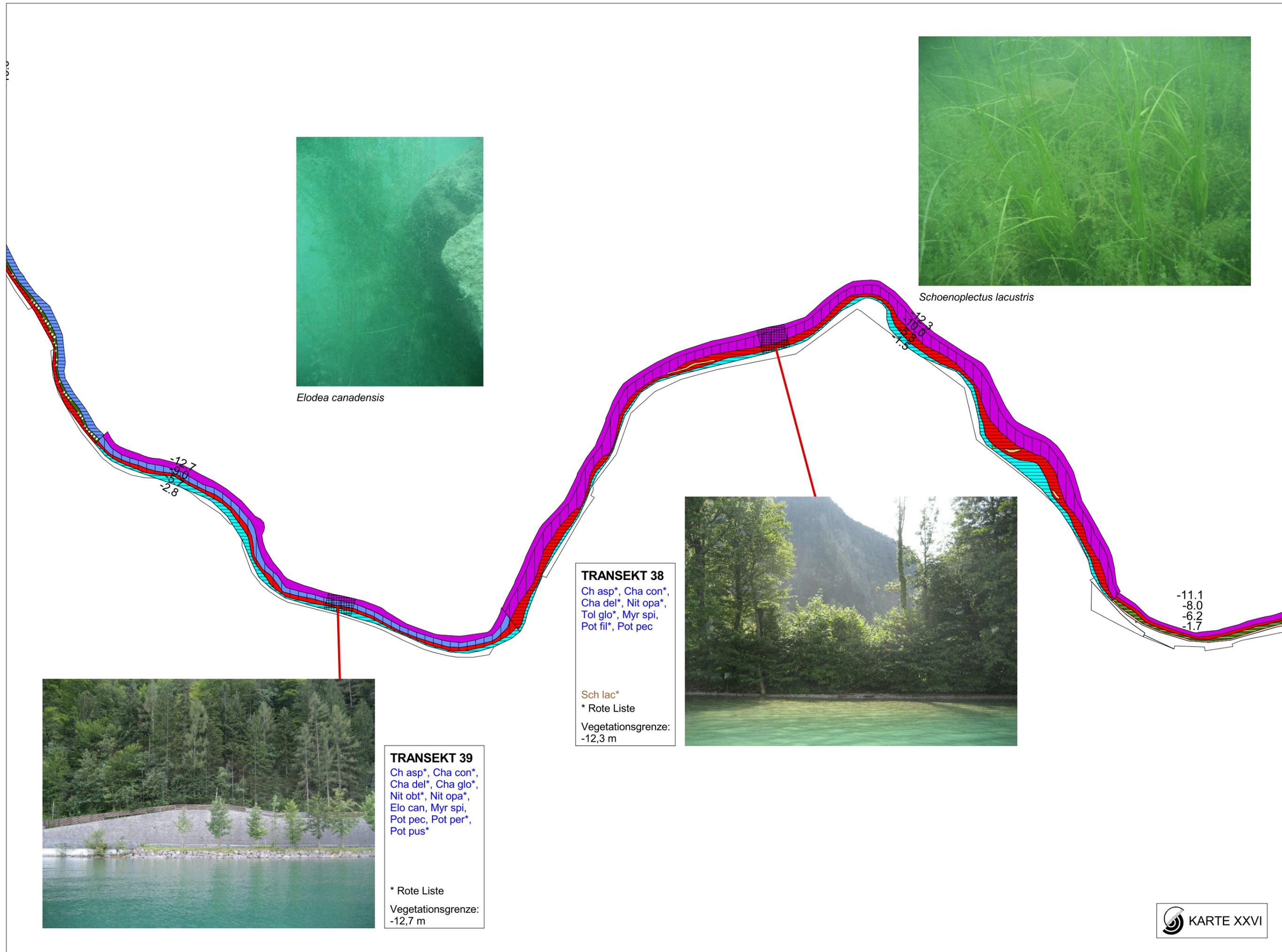
* Rote Liste
Vegetationsgrenze:
-11,1 m



TRANSEKT 36

Cha con*, Cha del*,
Nit opa*, Cai cus,
Myr spi, Pot pec,
Pot per*, Pot pus*

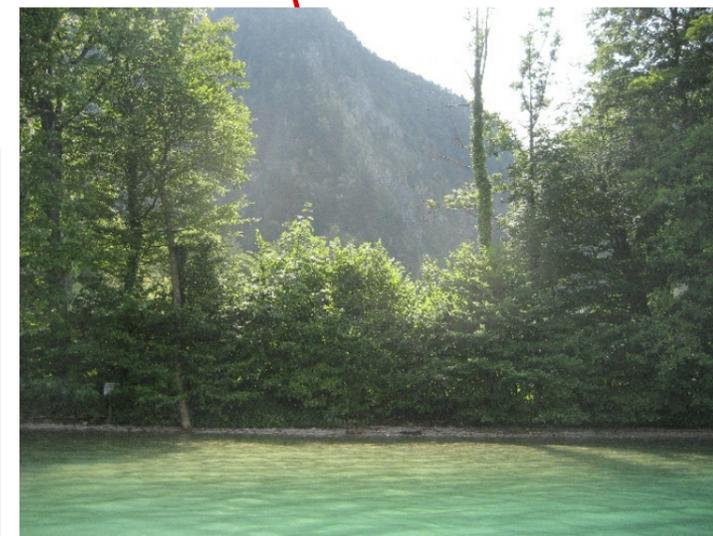
* Rote Liste
Vegetationsgrenze:
-14,5 m



Elodea canadensis



Schoenoplectus lacustris



TRANSEKT 38
 Ch asp*, Cha con*,
 Cha del*, Nit opa*,
 Tol glo*, Myr spi,
 Pot fil*, Pot pec

Sch lac*
 * Rote Liste

Vegetationsgrenze:
 -12,3 m



TRANSEKT 39
 Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Nit obt*, Nit opa*,
 Elo can, Myr spi,
 Pot pec, Pot per*,
 Pot pus*

* Rote Liste

Vegetationsgrenze:
 -12,7 m



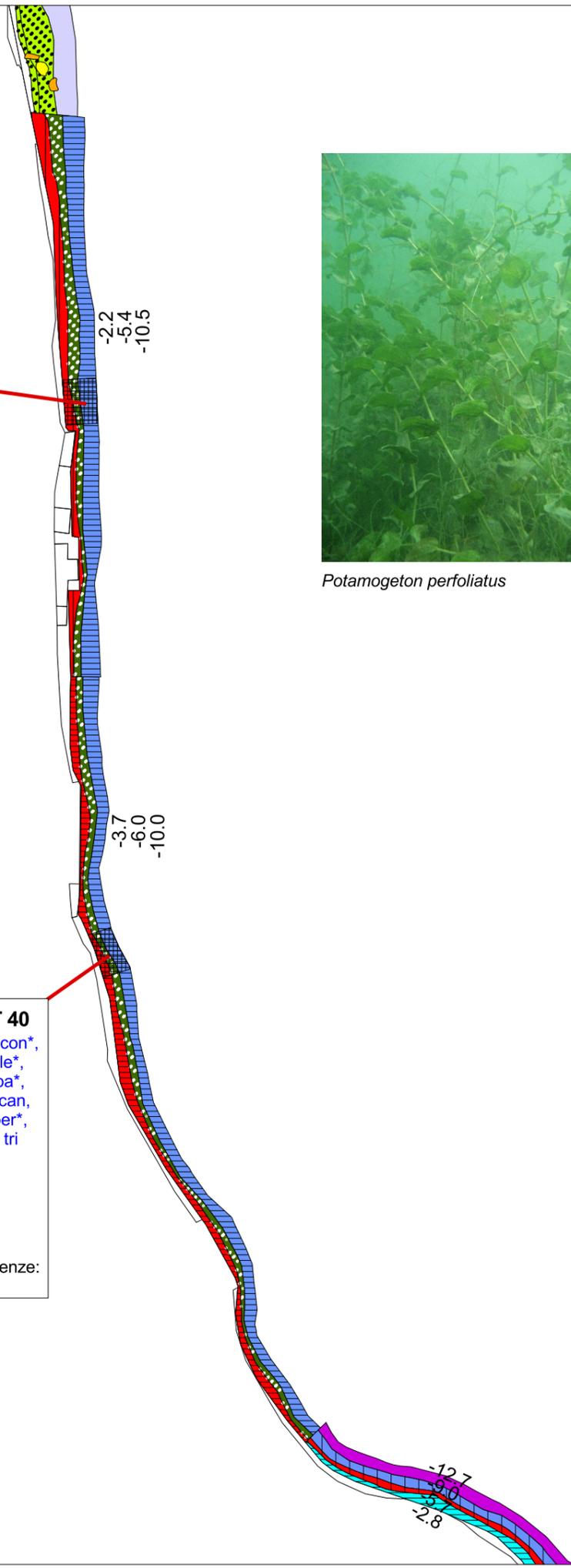
TRANSEKT 41

Ch asp*, Cha con*,
 Cha del*, Nit obt*,
 Nit opa*, Fis tax,
 Elo can, Myr spi,
 Pot pec, Pot per*,
 Pot pus*, Ran cir*

Nym alb*

* Rote Liste

Vegetationsgrenze:
 -10,5 m



Potamogeton perfoliatus



TRANSEKT 40

Ch asp*, Cha con*,
 Cha del*, Nit fle*,
 Nit obt*, Nit opa*,
 Eur spe*, Elo can,
 Pot pec, Pot per*,
 Pot pus*, Ran tri

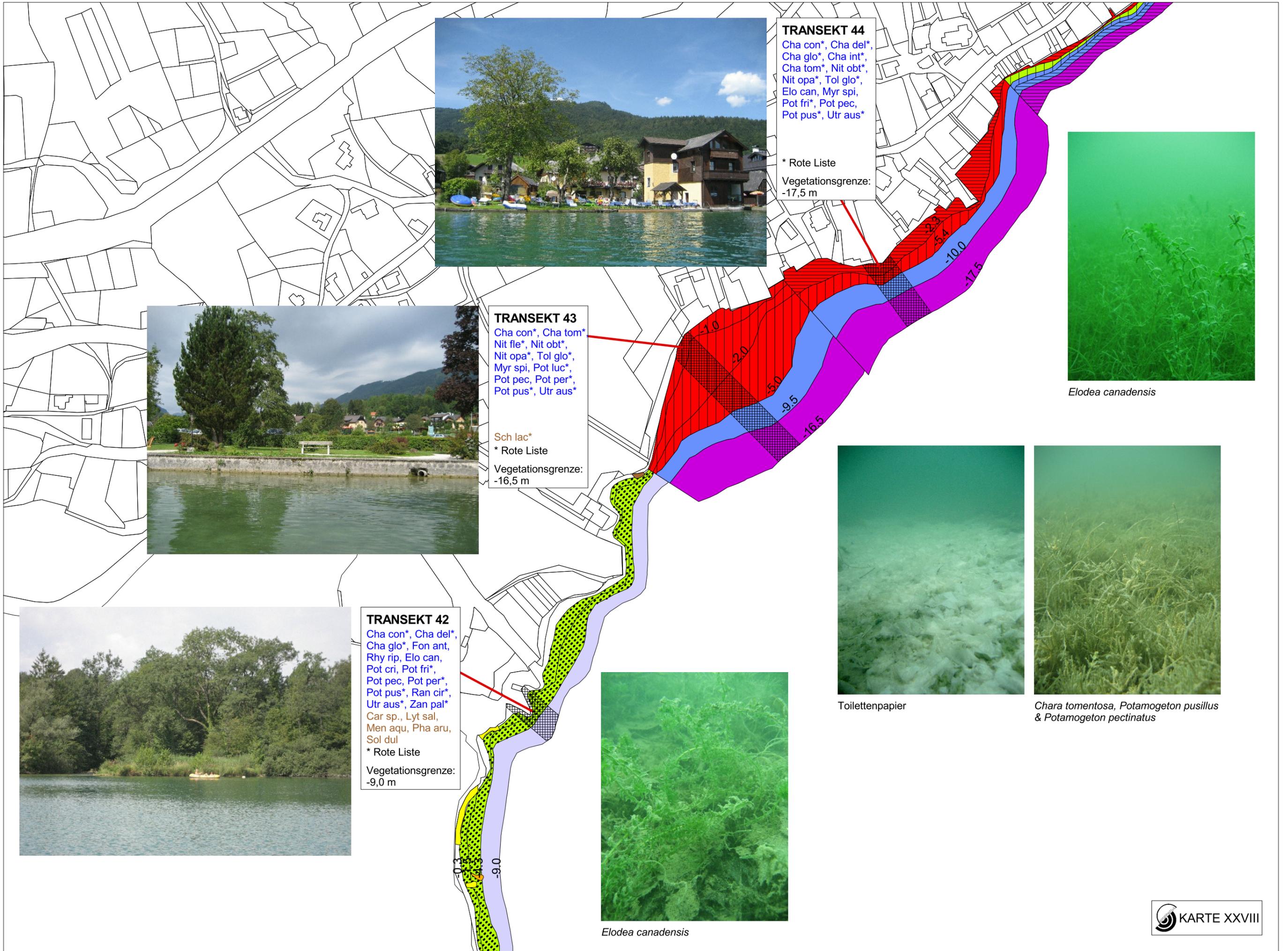
Nym alb*

* Rote Liste

Vegetationsgrenze:
 -10,0 m



Ranunculus trichophyllus



TRANSEKT 44

Cha con*, Cha del*,
 Cha glo*, Cha int*,
 Cha tom*, Nit obt*,
 Nit opa*, Tol glo*,
 Elo can, Myr spi,
 Pot fri*, Pot pec,
 Pot pus*, Utr aus*

* Rote Liste

Vegetationsgrenze:
 -17,5 m



Elodea canadensis

TRANSEKT 43

Cha con*, Cha tom*
 Nit fle*, Nit obt*,
 Nit opa*, Tol glo*,
 Myr spi, Pot luc*,
 Pot pec, Pot per*,
 Pot pus*, Utr aus*

Sch lac*

* Rote Liste

Vegetationsgrenze:
 -16,5 m



Toilettenpapier



Chara tomentosa, Potamogeton pusillus & Potamogeton pectinatus

TRANSEKT 42

Cha con*, Cha del*,
 Cha glo*, Fon ant,
 Rhy rip, Elo can,
 Pot cri, Pot fri*,
 Pot pec, Pot per*,
 Pot pus*, Ran cir*,
 Utr aus*, Zan pal*

Car sp., Lyt sal,
 Men aqu, Pha aru,
 Sol dul

* Rote Liste

Vegetationsgrenze:
 -9,0 m



Elodea canadensis



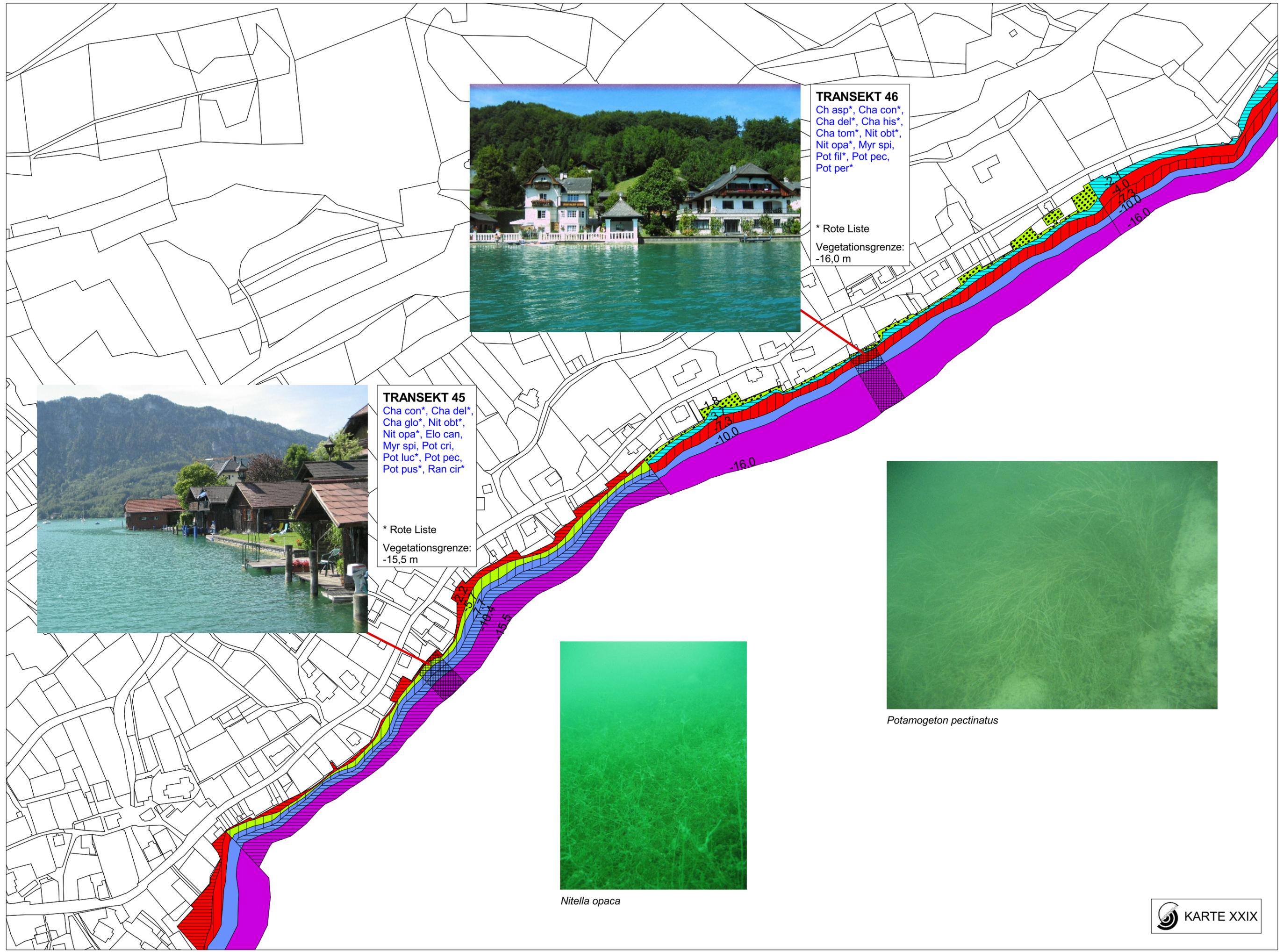
TRANSEKT 46
 Ch asp*, Cha con*,
 Cha del*, Cha his*,
 Cha tom*, Nit obt*,
 Nit opa*, Myr spi,
 Pot fil*, Pot pec,
 Pot per*

* Rote Liste
 Vegetationsgrenze:
 -16,0 m



TRANSEKT 45
 Cha con*, Cha del*,
 Cha glo*, Nit obt*,
 Nit opa*, Elo can,
 Myr spi, Pot cri,
 Pot luc*, Pot pec,
 Pot pus*, Ran cir*

* Rote Liste
 Vegetationsgrenze:
 -15,5 m



Nitella opaca



Potamogeton pectinatus

TRANSEKT 48

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha his*, Cha tom*,
Nit obt*, Nit opa*,
Pot fil*, Pot pec,
Pot per*, Pot pus*,
Utr aus*

* Rote Liste

Vegetationsgrenze:
-16,4 m



Potamogeton pectinatus & *Chara tomentosa*

TRANSEKT 47

Ch asp*, Cha con*,
Cha del*, Cha his*,
Nit obt*, Nit opa*,
Elo can, Myr spi,
Pot fil*, Pot pec,
Pot pus*, Utr aus*

* Rote Liste

Vegetationsgrenze:
-16,0 m



Nitella opaca



TRANSEKT 49

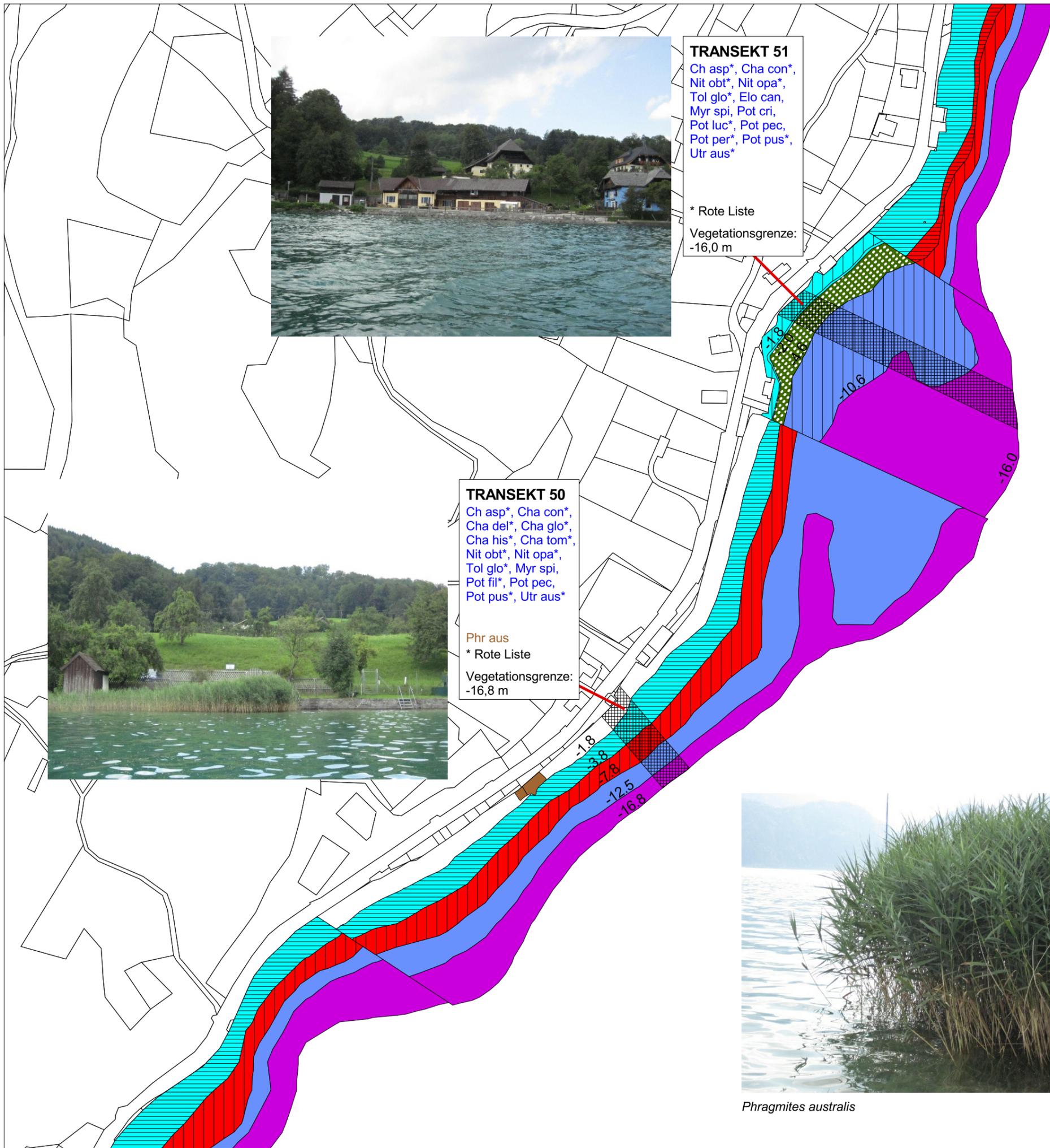
Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha tom*, Nit obt*,
Nit opa*, Gro den*,
Myr spi, Pot fil*,
Pot pec, Pot per*,
Pot pus*

* Rote Liste

Vegetationsgrenze:
-16,5 m



Nitellopsis obtusa



Algenwatten



Potamogeton lucens



Phragmites australis

TRANSEKT 53

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha his*, Cha int*,
Cha tom*, Nit obt*,
Nit opa*, Pot pec,
Pot pus*

Sch lac*
* Rote Liste

Vegetationsgrenze:
-15,8m

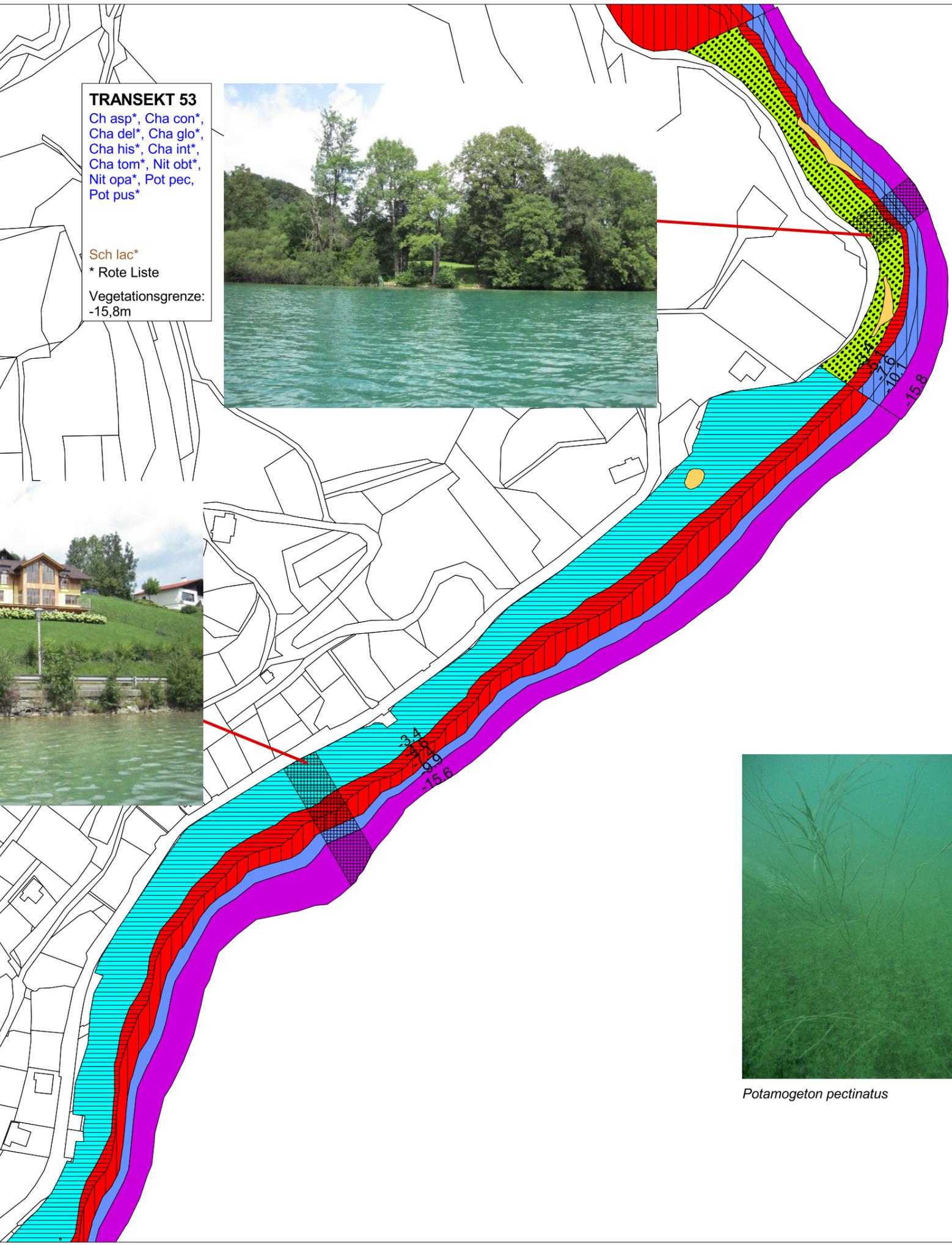


TRANSEKT 52

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha his*, Cha tom*,
Nit obt*, Nit opa*,
Tol glo*, Myr spi,
Pot nit, Pot pec,
Pot pus*, Utr aus*

* Rote Liste

Vegetationsgrenze:
-15,6 m



Chara hispida & Nitellopsis obtusa



Potamogeton pectinatus



TRANSEKT 56

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha tom*, Nit opa*,
Myr spi, Pot pec,
Pot per*, Utr aus*,
Zan pal*

Sch lac*

* Rote Liste

Vegetationsgrenze:
-16,4 m



Zannichellia palustris



TRANSEKT 55

Cha con*, Cha del*,
Cha int*, Cha tom*,
Nit obt*, Nit opa*,
Elo can, Myr spi,
Pot pec, Pot per*,
Utr aus*

Sch lac*

* Rote Liste

Vegetationsgrenze:
-16,6 m



Elodea canadensis & *Chara tomentosa*



TRANSEKT 54

Cha con*, Cha del*,
Cha glo*, Cha tom*,
Nit opa*, Myr spi,
Pot pec, Pot per*,
Pot pus*, Utr aus*,
Zan pal*

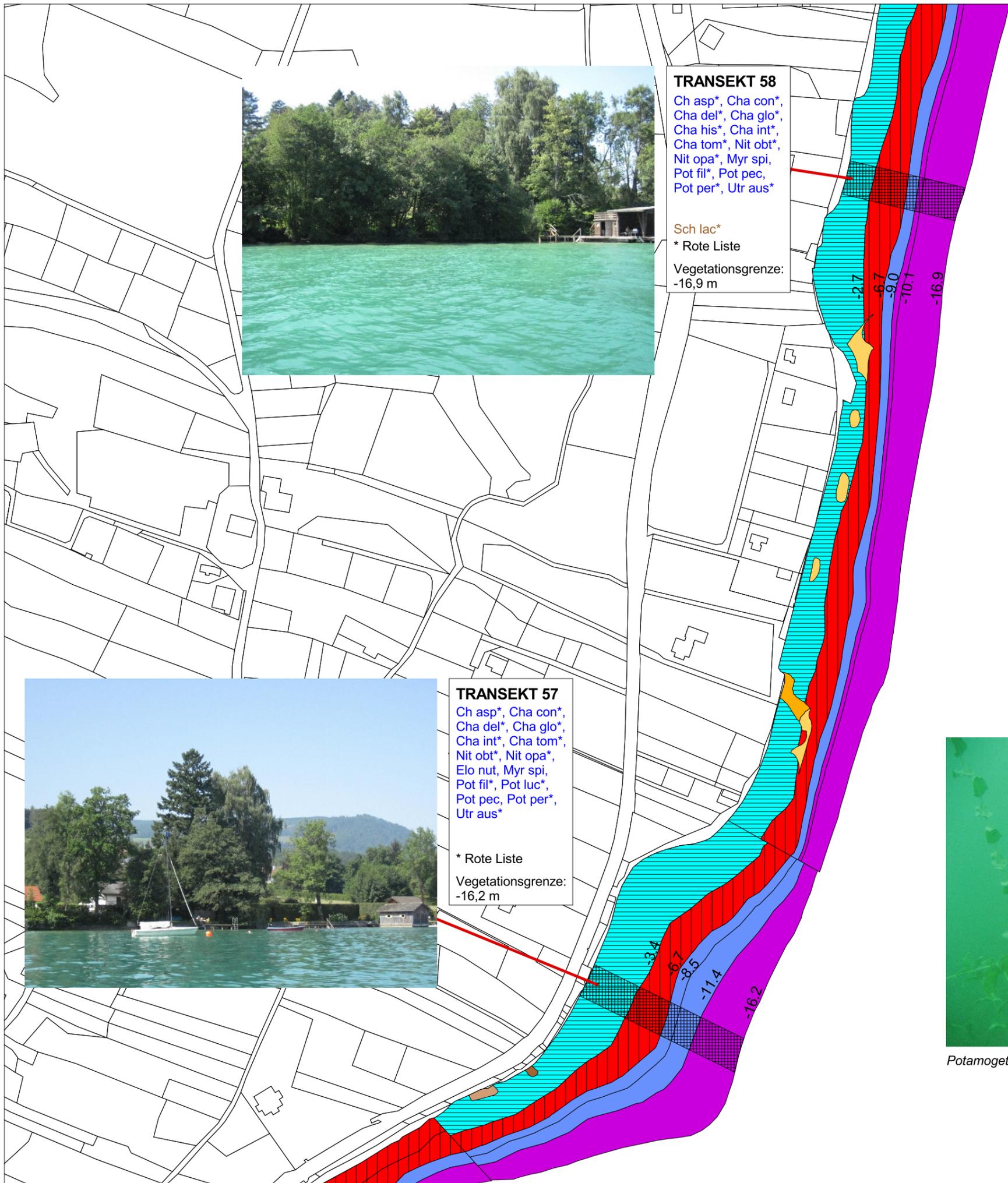
Sch lac*

* Rote Liste

Vegetationsgrenze:
-14,7 m



Potamogeton perfoliatus & *Myriophyllum spicatum*



TRANSEKT 58

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha his*, Cha int*,
 Cha tom*, Nit obt*,
 Nit opa*, Myr spi,
 Pot fil*, Pot pec,
 Pot per*, Utr aus*

Sch lac*
 * Rote Liste

Vegetationsgrenze:
 -16,9 m

TRANSEKT 57

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha int*, Cha tom*,
 Nit obt*, Nit opa*,
 Elo nut, Myr spi,
 Pot fil*, Pot luc*,
 Pot pec, Pot per*,
 Utr aus*

* Rote Liste

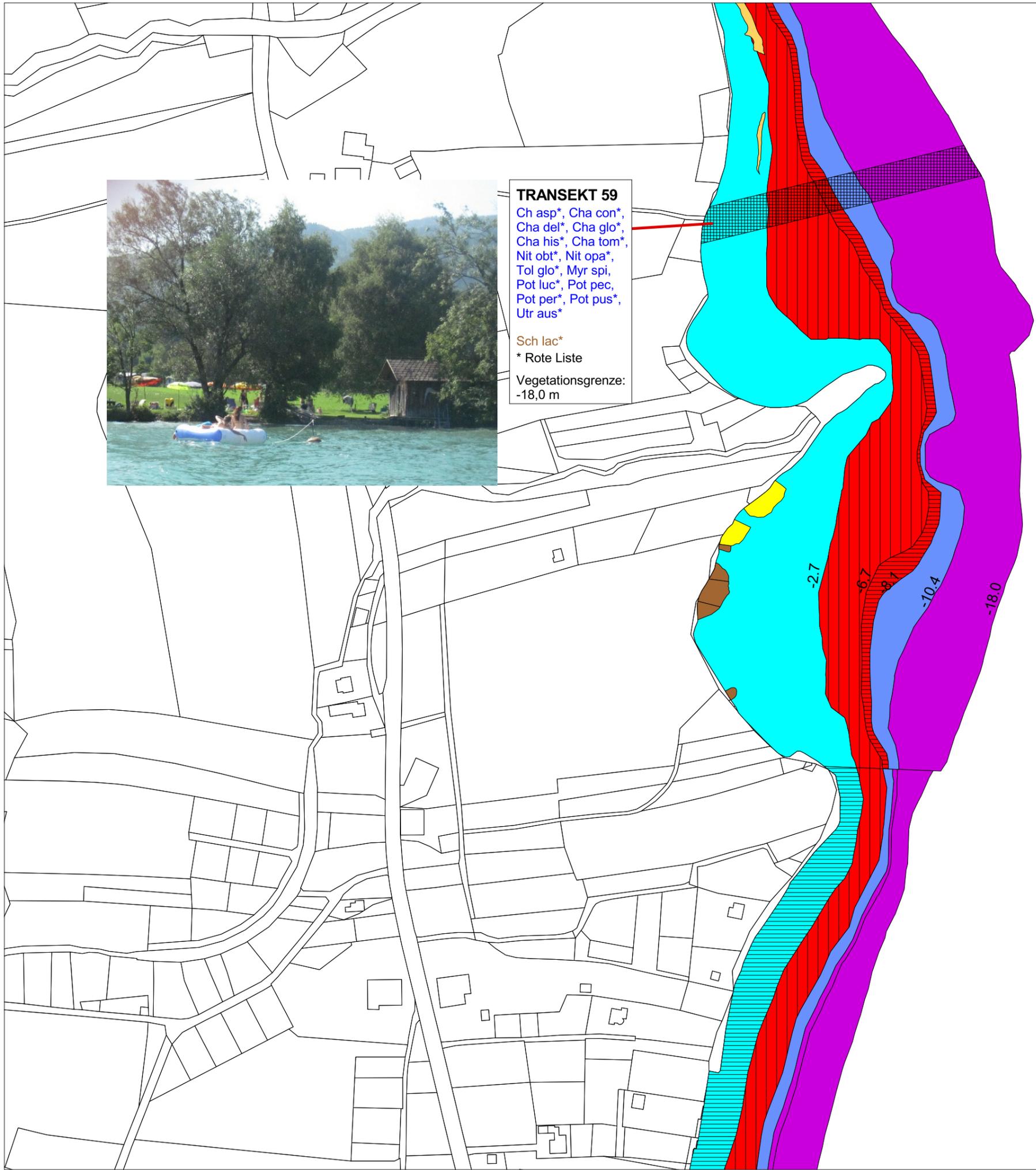
Vegetationsgrenze:
 -16,2 m



Schoenoplectus lacustris & Chara aspera



Potamogeton perfoliatus & Myriophyllum spicatum



Chara contraria

TRANSEKT 62

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Nit obt*, Nit opa*,
Elo can, Myr spi,
Pot fil*, Pot pec,
Pot per*, Pot pus*,
Utr aus*

Sch lac*
* Rote Liste

Vegetationsgrenze:
-16,0 m



Schoenoplectus lacustris



Potamogeton pusillus

TRANSEKT 61

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Nit obt*, Nit opa*,
Pot fil*, Pot fri*,
Pot luc*, Pot pec,
Pot pus*

Sch lac*
* Rote Liste

Vegetationsgrenze:
-17,0 m



TRANSEKT 60

Cha glo*, Nit obt*,
Nit opa*, Elo can,
Myr spi, Pot fri*,
Pot luc*, Pot pec,
Pot per*, Pot pus*

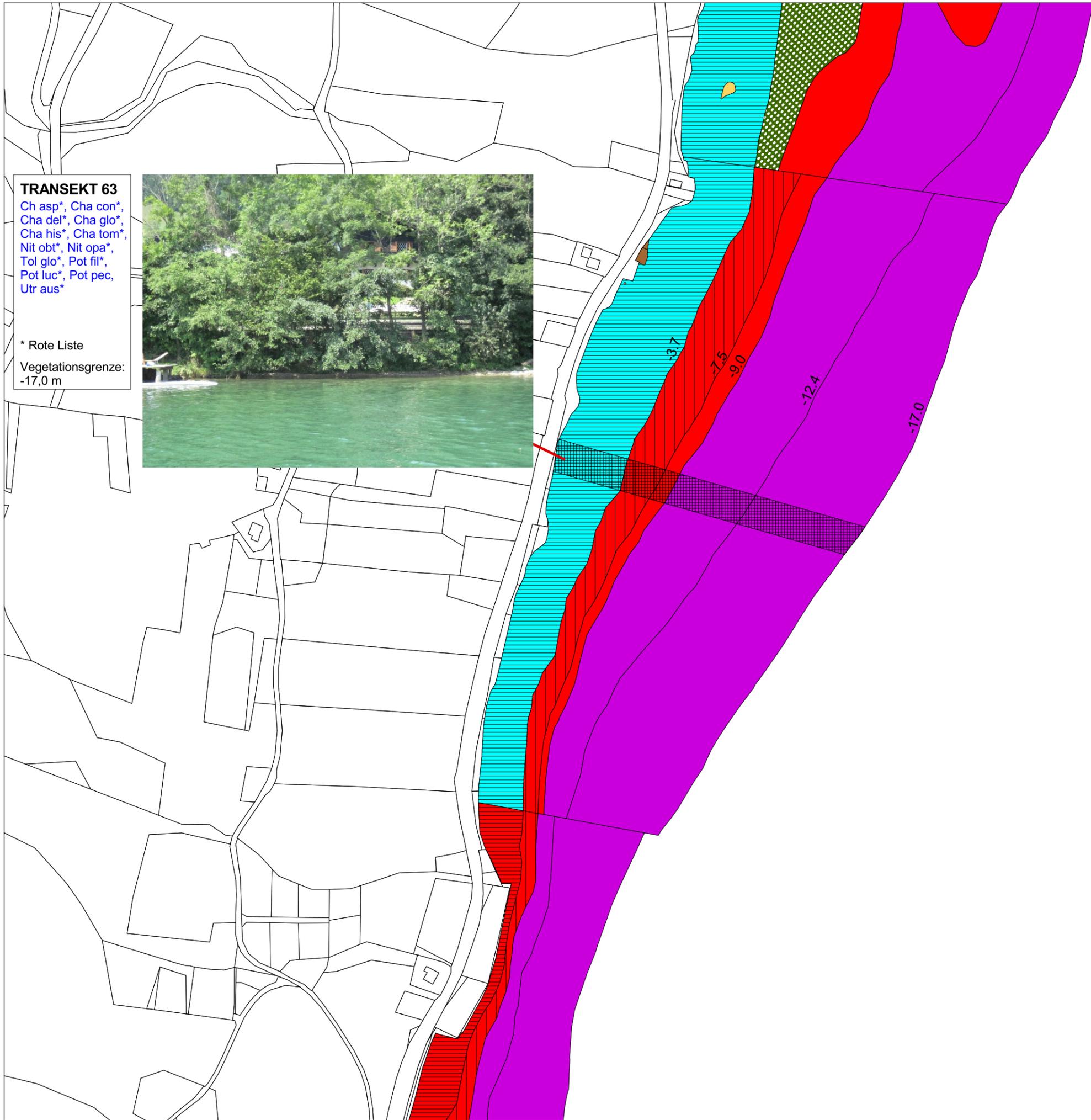
Nup lut*

Sch lac*
* Rote Liste

Vegetationsgrenze:
-17,0 m



Potamogeton friesii

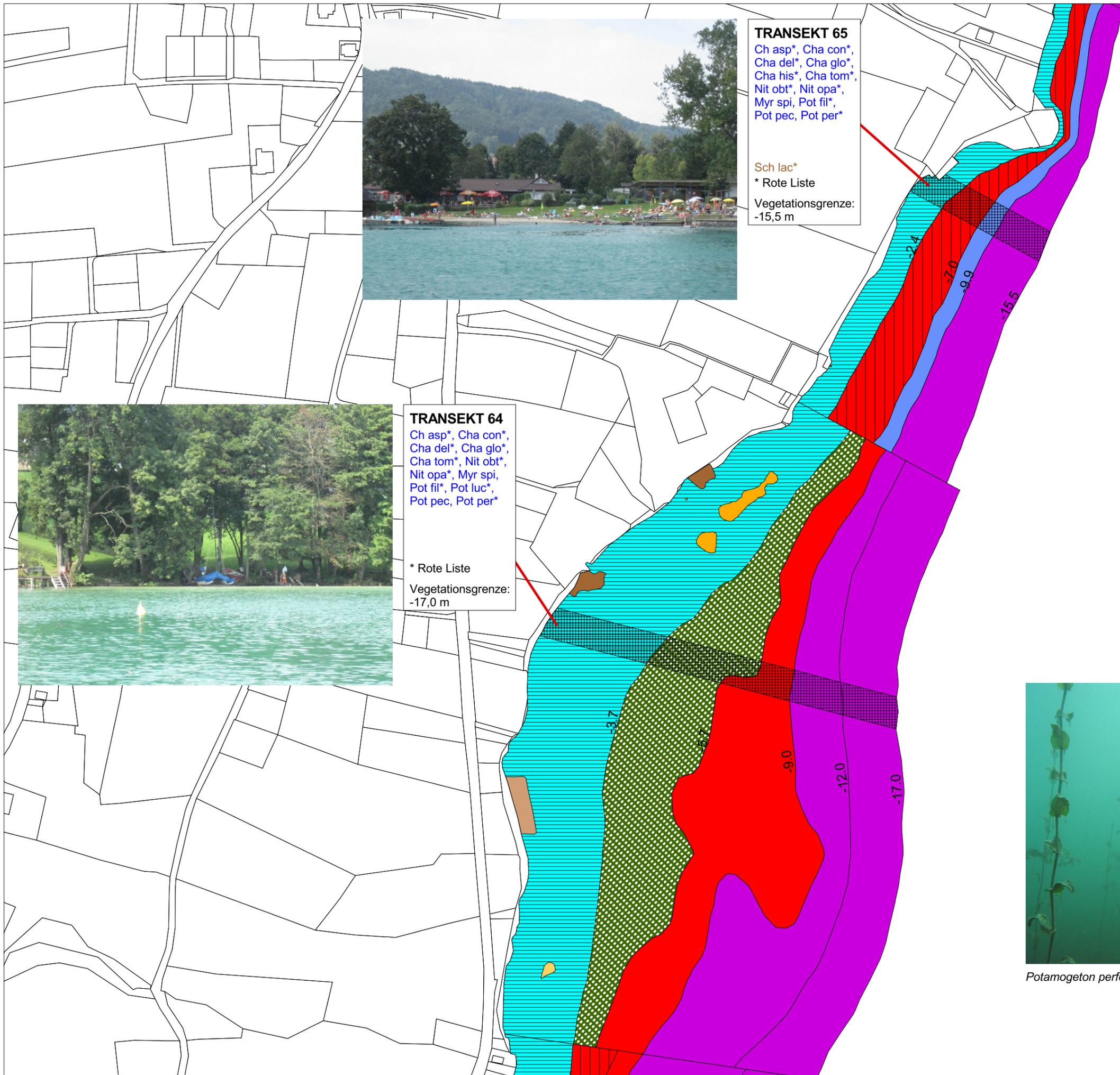


TRANSEKT 63
 Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha his*, Cha tom*,
 Nit obt*, Nit opa*,
 Tol glo*, Pot fil*,
 Pot luc*, Pot pec,
 Utr aus*

* Rote Liste
 Vegetationsgrenze:
 -17,0 m



Chara hispida



Myriophyllum spicatum



Potamogeton perfoliatus

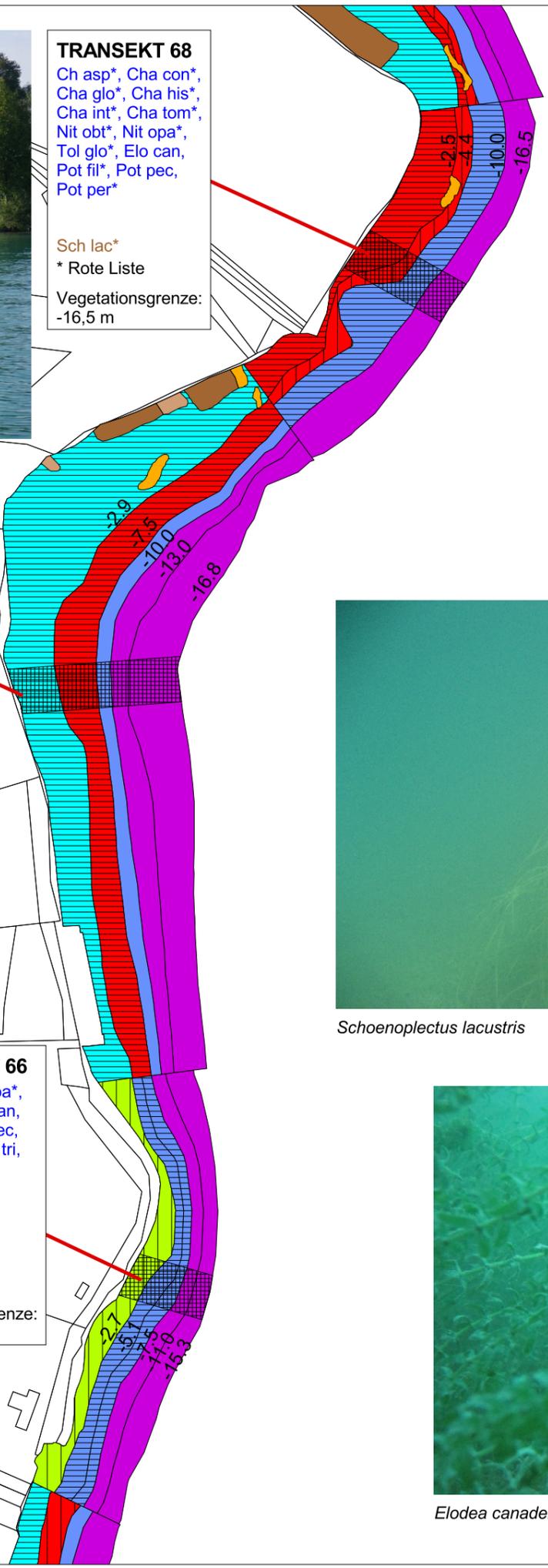


TRANSEKT 68

Ch asp*, Cha con*,
 Cha glo*, Cha his*,
 Cha int*, Cha tom*,
 Nit obt*, Nit opa*,
 Tol glo*, Elo can,
 Pot fil*, Pot pec,
 Pot per*

Sch lac*
 * Rote Liste

Vegetationsgrenze:
 -16,5 m



Chara aspera



TRANSEKT 67

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha tom*, Nit obt*,
 Nit opa*, Pot fil*,
 Pot pec, Pot pus*,
 Utr aus*

Sch lac*
 * Rote Liste

Vegetationsgrenze:
 -16,8 m



Schoenoplectus lacustris



TRANSEKT 66

Nit obt*, Nit opa*,
 Fon ant, Elo can,
 Myr spi, Pot pec,
 Pot pus*, Ran tri,
 Utr aus*

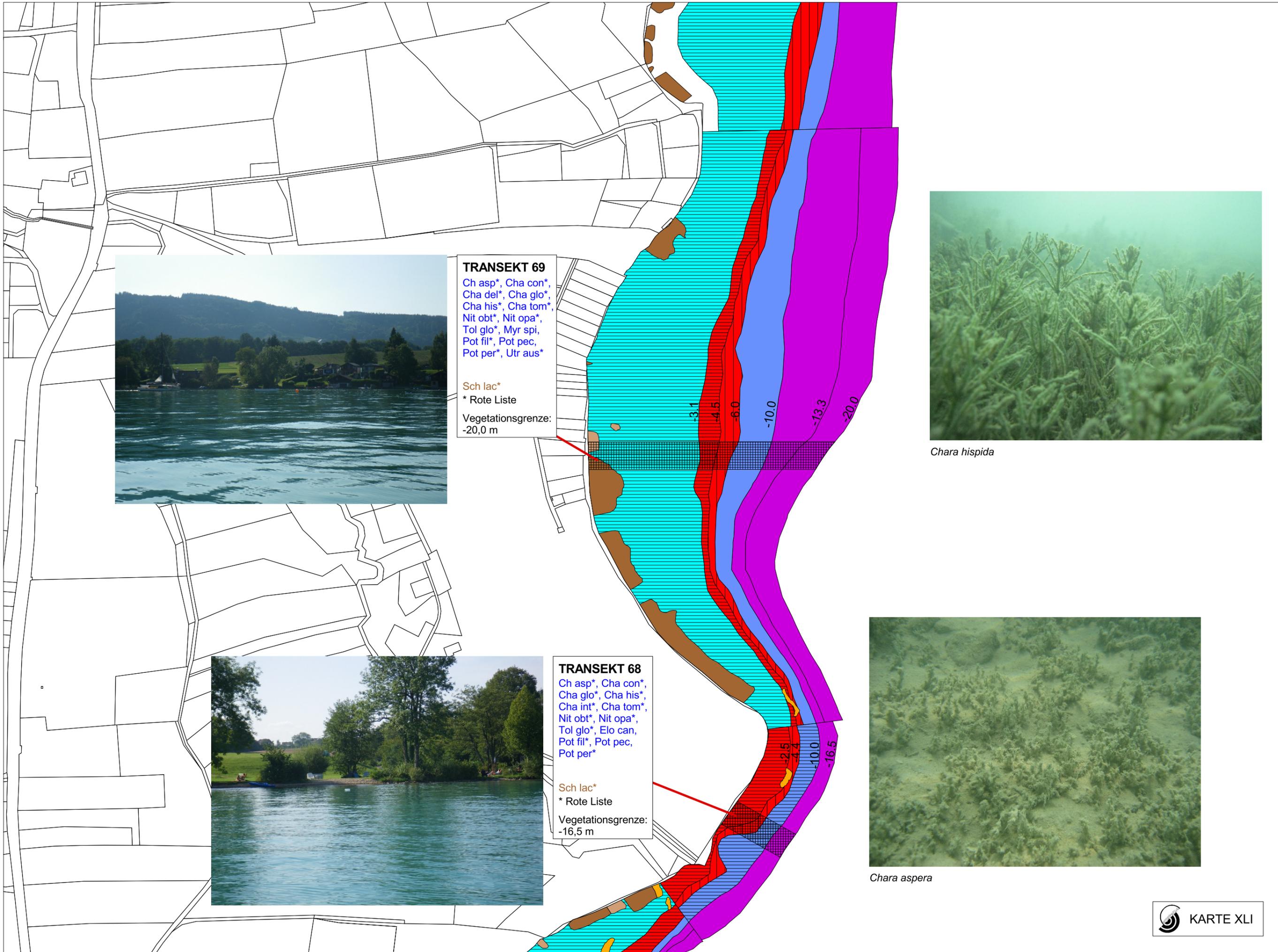
Nup lut*

Sch lac*
 * Rote Liste

Vegetationsgrenze:
 -15,3 m



Elodea canadensis



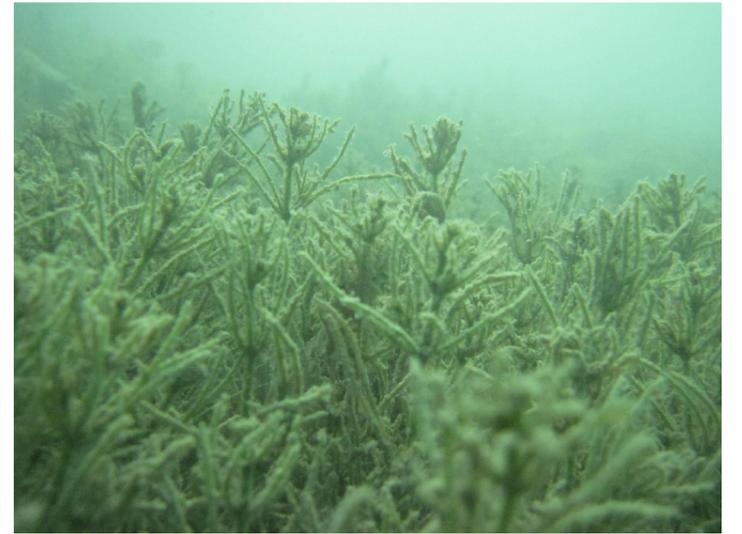
TRANSEKT 69

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha his*, Cha tom*,
 Nit obt*, Nit opa*,
 Tol glo*, Myr spi,
 Pot fil*, Pot pec,
 Pot per*, Utr aus*

Sch lac*

* Rote Liste

Vegetationsgrenze:
 -20,0 m



Chara hispida

TRANSEKT 68

Ch asp*, Cha con*,
 Cha glo*, Cha his*,
 Cha int*, Cha tom*,
 Nit obt*, Nit opa*,
 Tol glo*, Elo can,
 Pot fil*, Pot pec,
 Pot per*

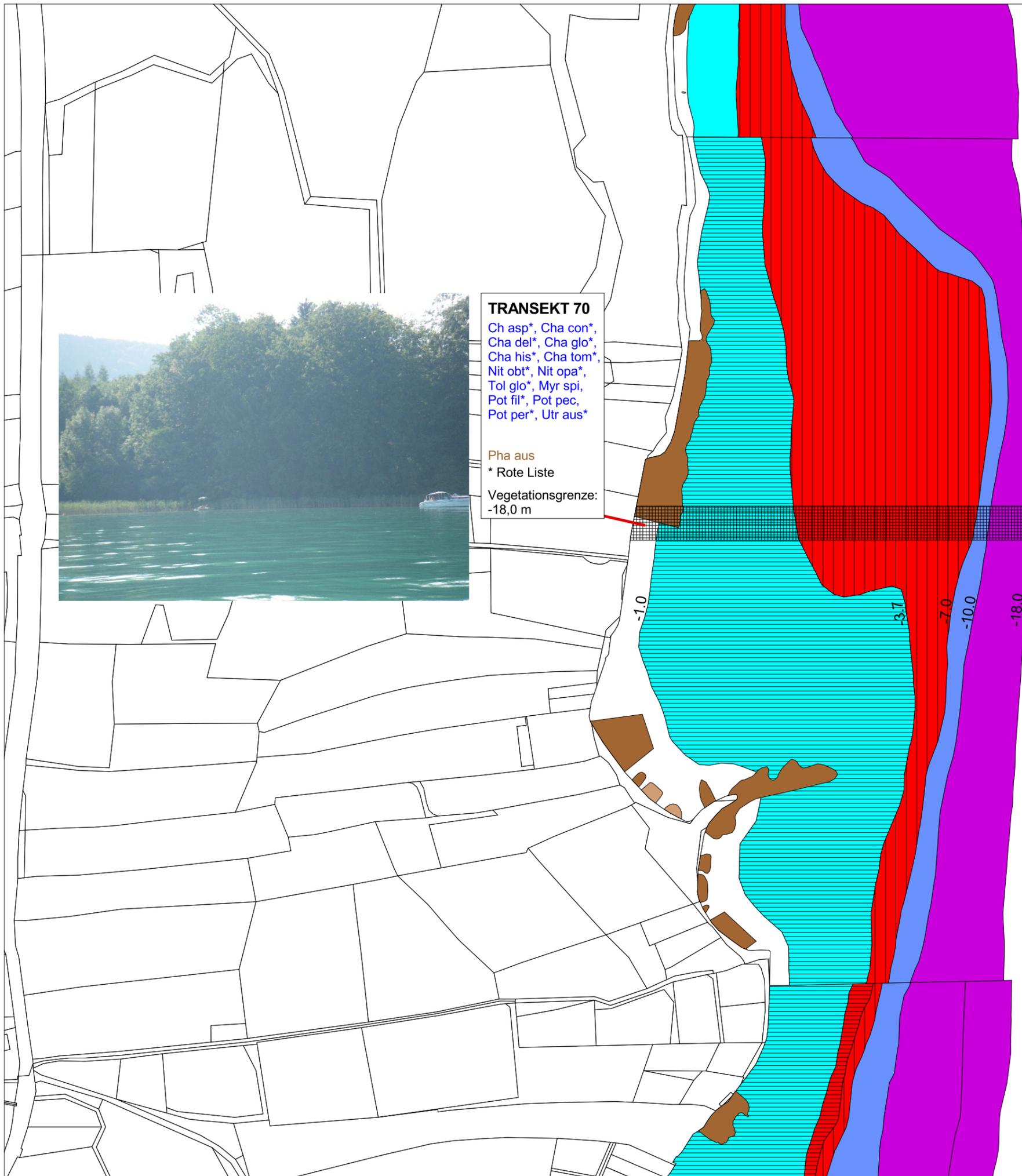
Sch lac*

* Rote Liste

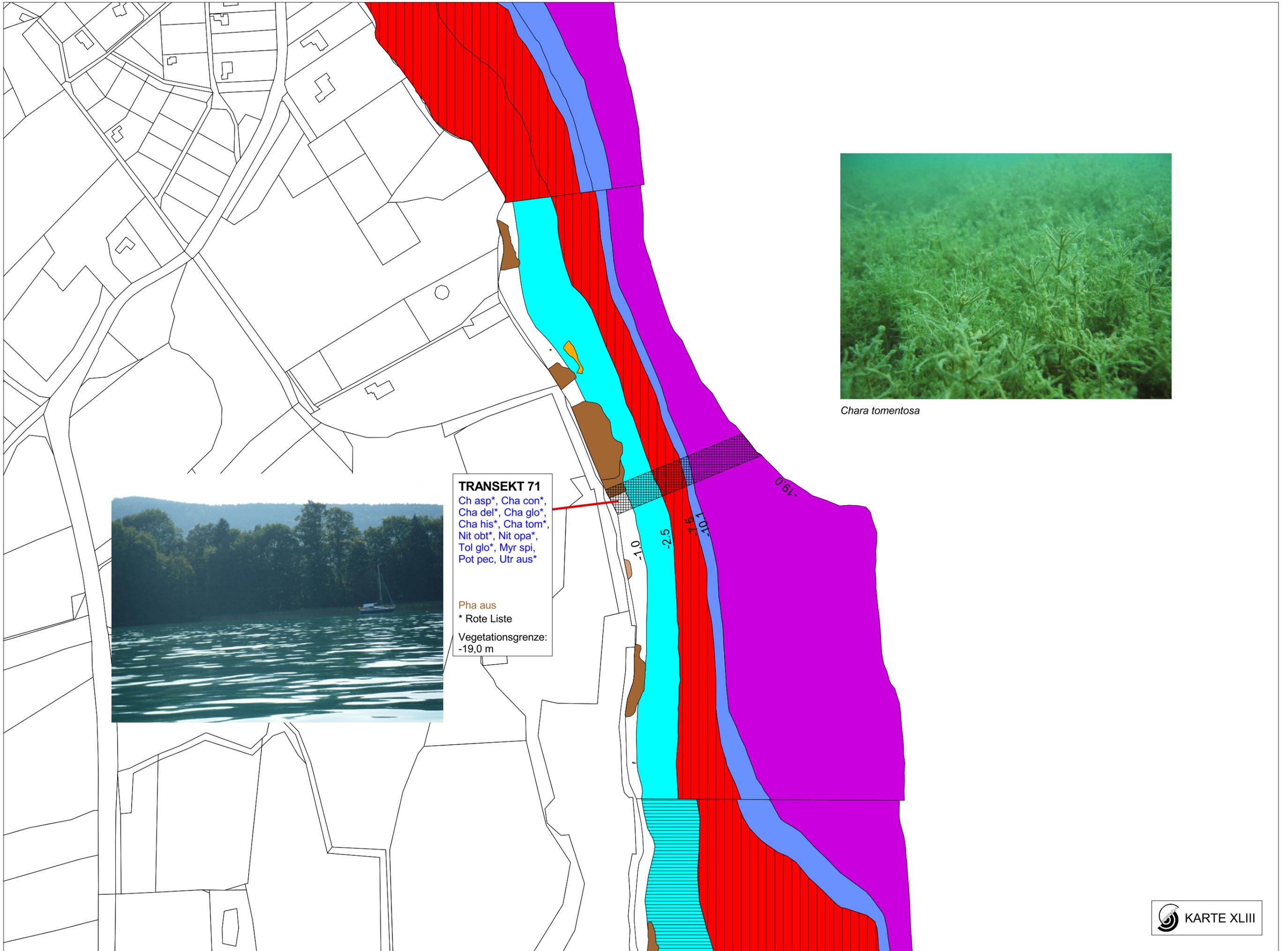
Vegetationsgrenze:
 -16,5 m



Chara aspera



chara aspera



Chara tomentosa

TRANSEKT 71
 Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha his*, Cha tom*,
 Nit obt*, Nit opa*,
 Tol glo*, Myr spi,
 Pot pec, Utr aus*

Pha aus
 * Rote Liste

Vegetationsgrenze:
 -19,0 m





TRANSEKT 74

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha tom*, Nit obt*,
Nit opa*, Myr spi,
Pot luc*, Pot pec,
Pot per*, Utr aus*

* Rote Liste

Vegetationsgrenze:
-22,0 m



TRANSEKT 73

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha tom*, Nit obt*,
Nit opa*, Elo can,
Myr spi, Pot luc*,
Utr aus*

* Rote Liste

Vegetationsgrenze:
-18,0 m

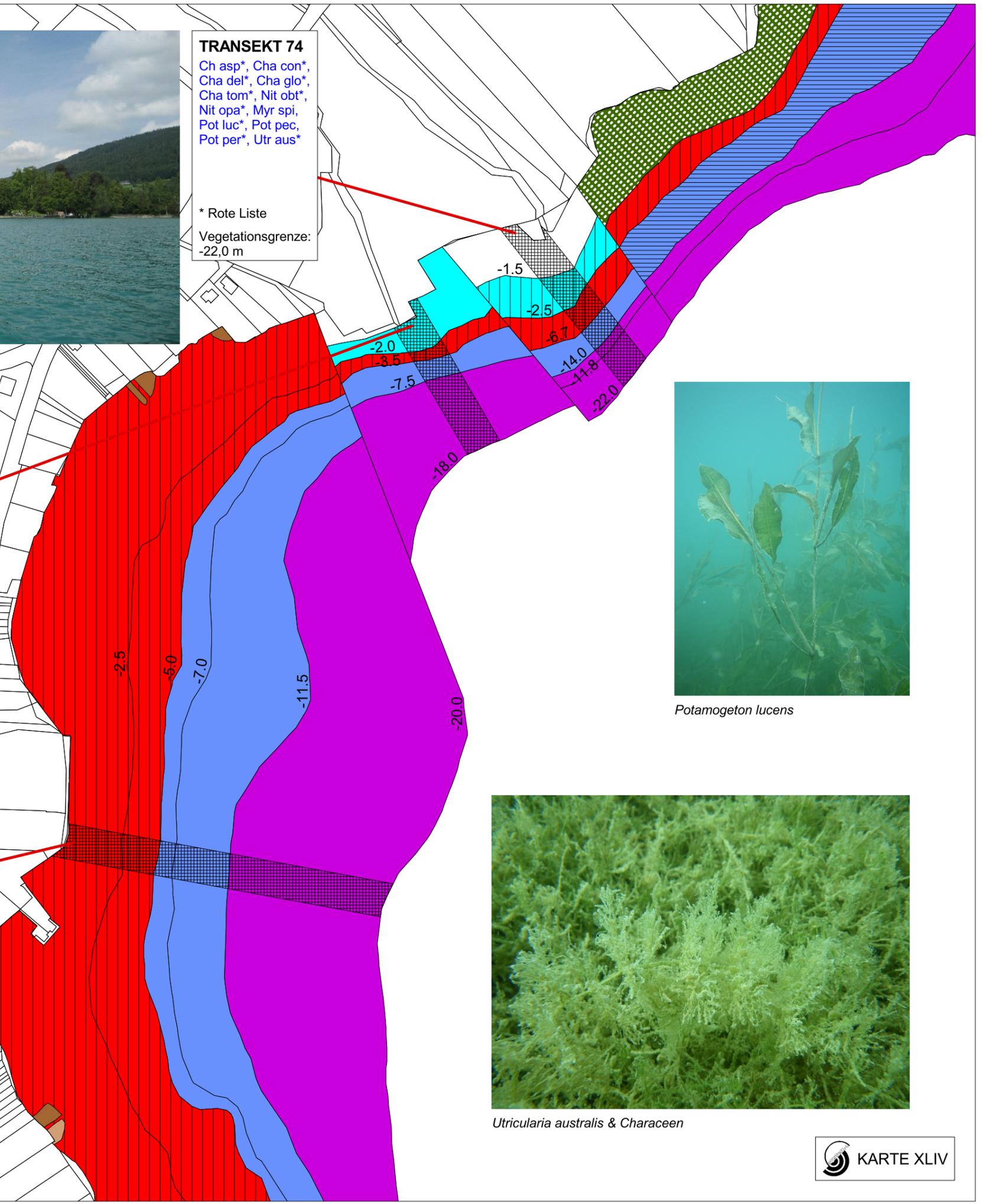


TRANSEKT 72

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha int*, Cha tom*,
Nit obt*, Nit opa*,
Elo nut, Myr spi,
Pot fil*, Pot luc*,
Pot pec, Pot pus*,
Utr aus*

* Rote Liste

Vegetationsgrenze:
-20,0 m



Potamogeton lucens



Utricularia australis & Characeen



TRANSEKT 75

Ch asp*, Cha con*,
Cha tom*, Nit obt*,
Nit opa*, Myr spi,
Pot pec, Pot per*,
Utr aus*

* Rote Liste

Vegetationsgrenze:
-22,0 m



TRANSEKT 74

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha tom*, Nit obt*,
Nit opa*, Myr spi,
Pot luc*, Pot pec,
Pot per*, Utr aus*

* Rote Liste

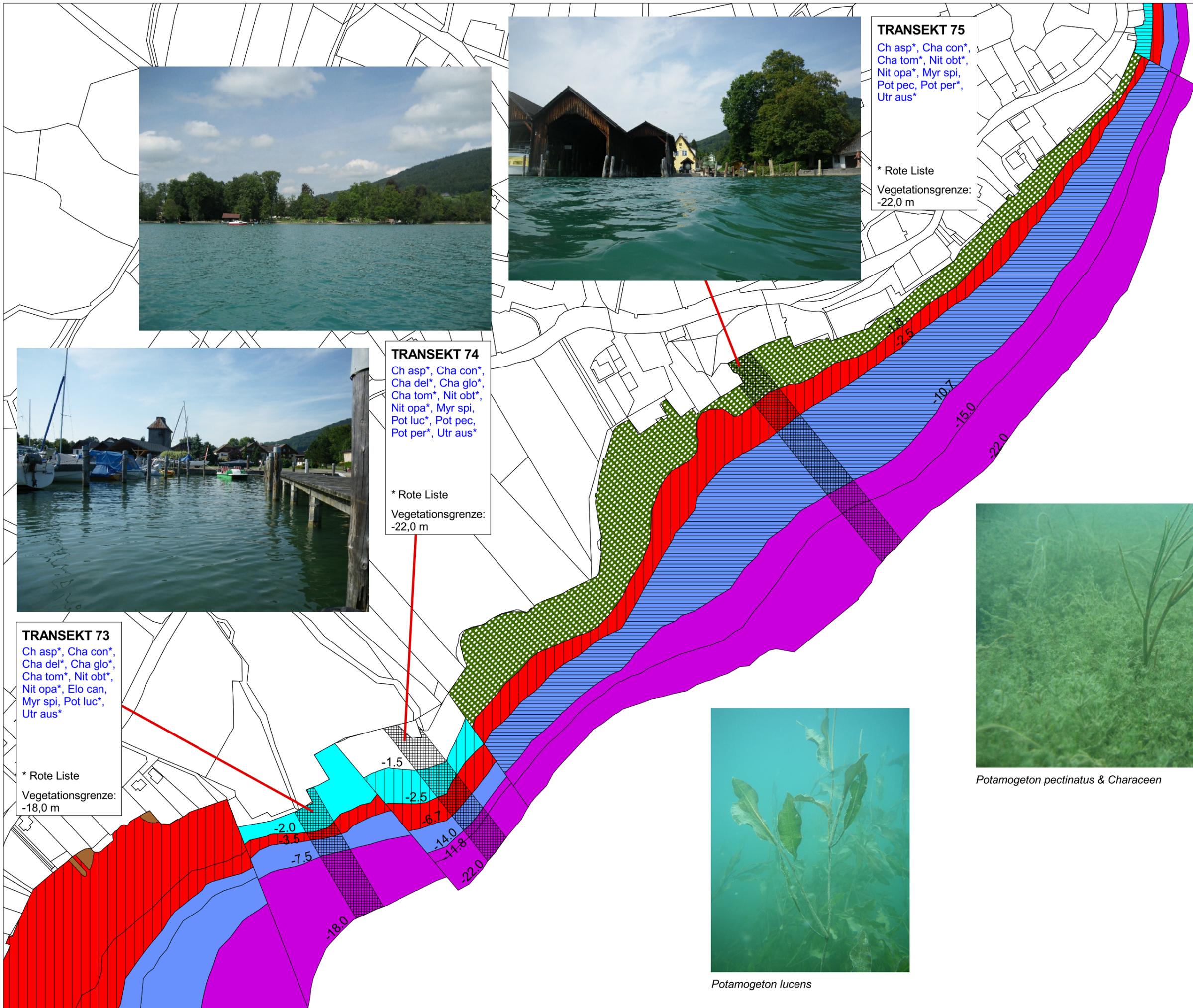
Vegetationsgrenze:
-22,0 m

TRANSEKT 73

Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha tom*, Nit obt*,
Nit opa*, Elo can,
Myr spi, Pot luc*,
Utr aus*

* Rote Liste

Vegetationsgrenze:
-18,0 m



Potamogeton pectinatus & Characeen



Potamogeton lucens



TRANSEKT 77
 Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Nit opa*, Tol glo*,
 Myr spi, Pot fil*,
 Pot pec, Pot per*

* Rote Liste
 Vegetationsgrenze:
 -16,6 m



Nitella opaca

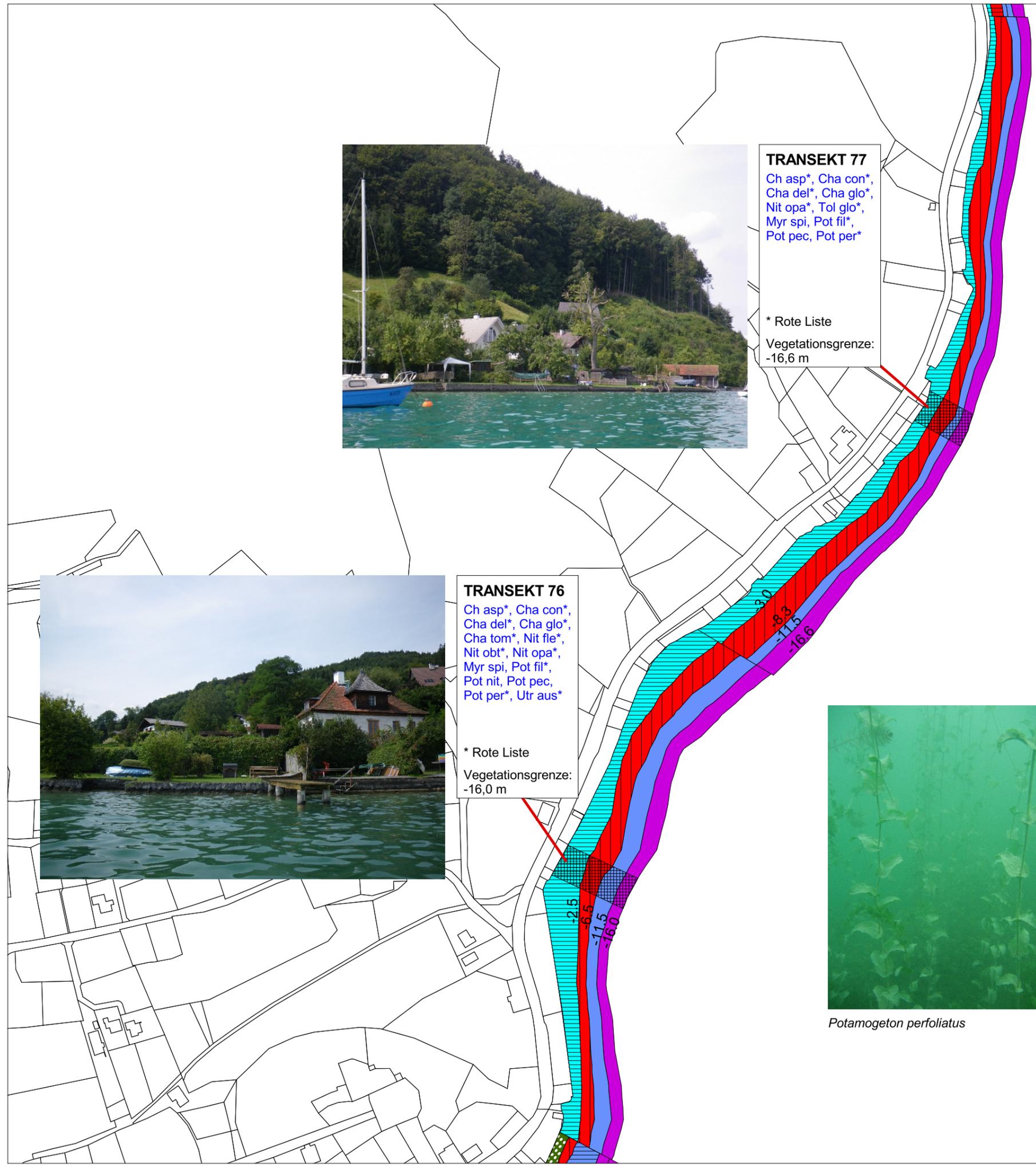


TRANSEKT 76
 Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha tom*, Nit fle*,
 Nit obt*, Nit opa*,
 Myr spi, Pot fil*,
 Pot nit, Pot pec,
 Pot per*, Utr aus*

* Rote Liste
 Vegetationsgrenze:
 -16,0 m



Potamogeton perfoliatus





TRANSEKT 78
Ch asp*, Cha con*,
Cha del*, Cha glo*,
Nit fle*, Nit obt*,
Nit opa*, Elo can,
Elo nut, Myr spi,
Pot per*, Pot pus*

* Rote Liste

Vegetationsgrenze:
-15,5 m

-2.0
-7.4
-9.0
-11.0
-15.5



Potamogeton perfoliatus &
Myriophyllum spicatum



TRANSEKT 80

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha his*, Cha tom*,
 Nit obt*, Nit opa*,
 Tol glo*, Elo can,
 Myr spi, Pot luc*,
 Pot nit, Pot pec,
 Pot per*, Pot pus*,
 Utr aus*, Zan pal*

* Rote Liste

Vegetationsgrenze:
 -18,0 m

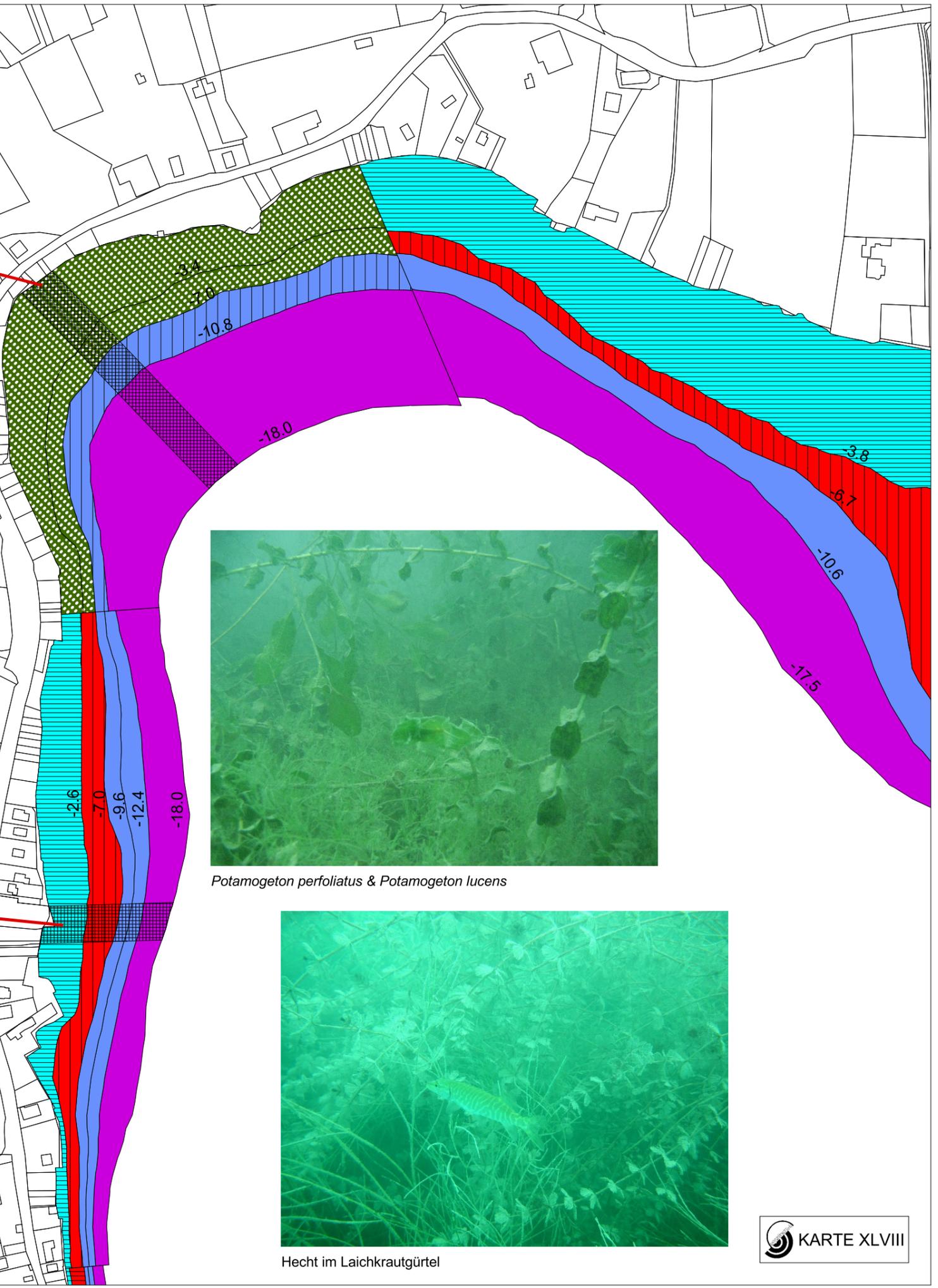


TRANSEKT 79

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha his*, Cha int*,
 Cha tom*, Nit opa*,
 Myr spi, Pot fil*,
 Pot luc*, Pot pec,
 Utr aus*

* Rote Liste

Vegetationsgrenze:
 -18,0 m



Potamogeton perfoliatus & Potamogeton lucens



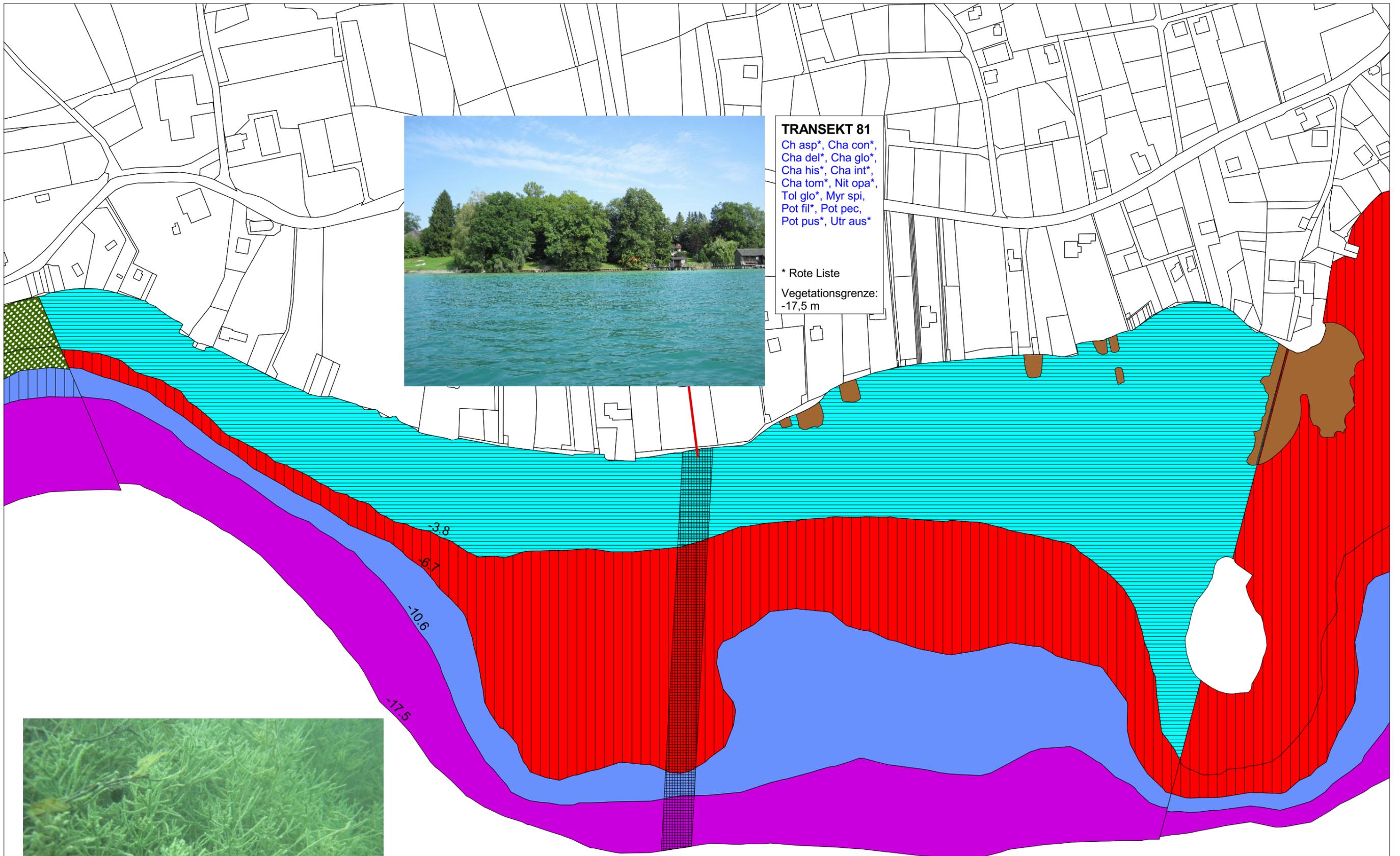
Hecht im Laichkrautgürtel

TRANSEKT 81

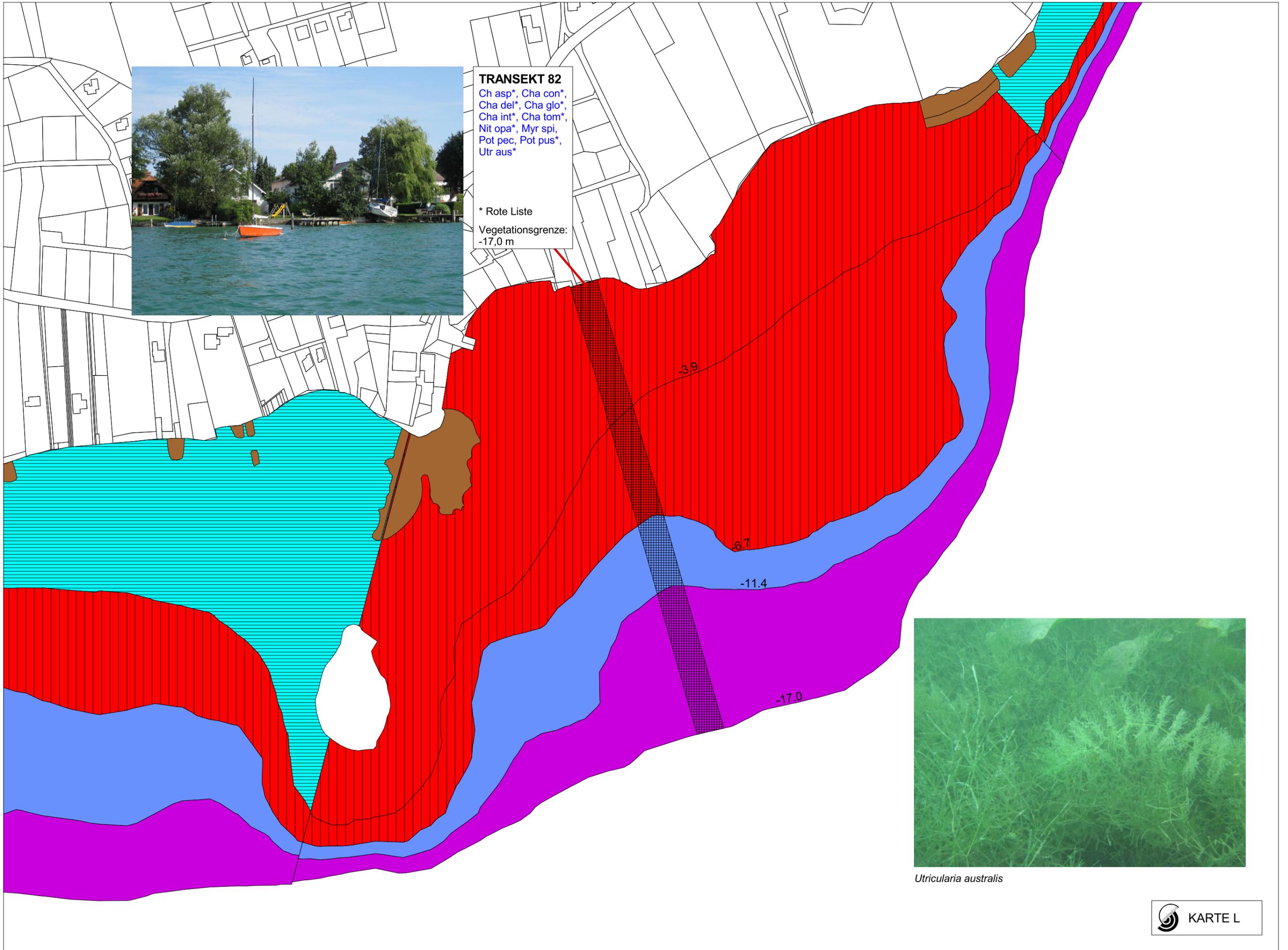
Ch asp*, Cha con*,
Cha del*, Cha glo*,
Cha his*, Cha int*,
Cha tom*, Nit opa*,
Tol glo*, Myr spi,
Pot fil*, Pot pec,
Pot pus*, Utr aus*

* Rote Liste

Vegetationsgrenze:
-17,5 m



Chara hispida



TRANSEKT 82

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha int*, Cha tom*,
 Nit opa*, Myr spi,
 Pot pec, Pot pus*,
 Utr aus*

* Rote Liste

Vegetationsgrenze:
 -17,0 m



Utricularia australis



Potamogeton perfoliatus &
Myriophyllum spicatum

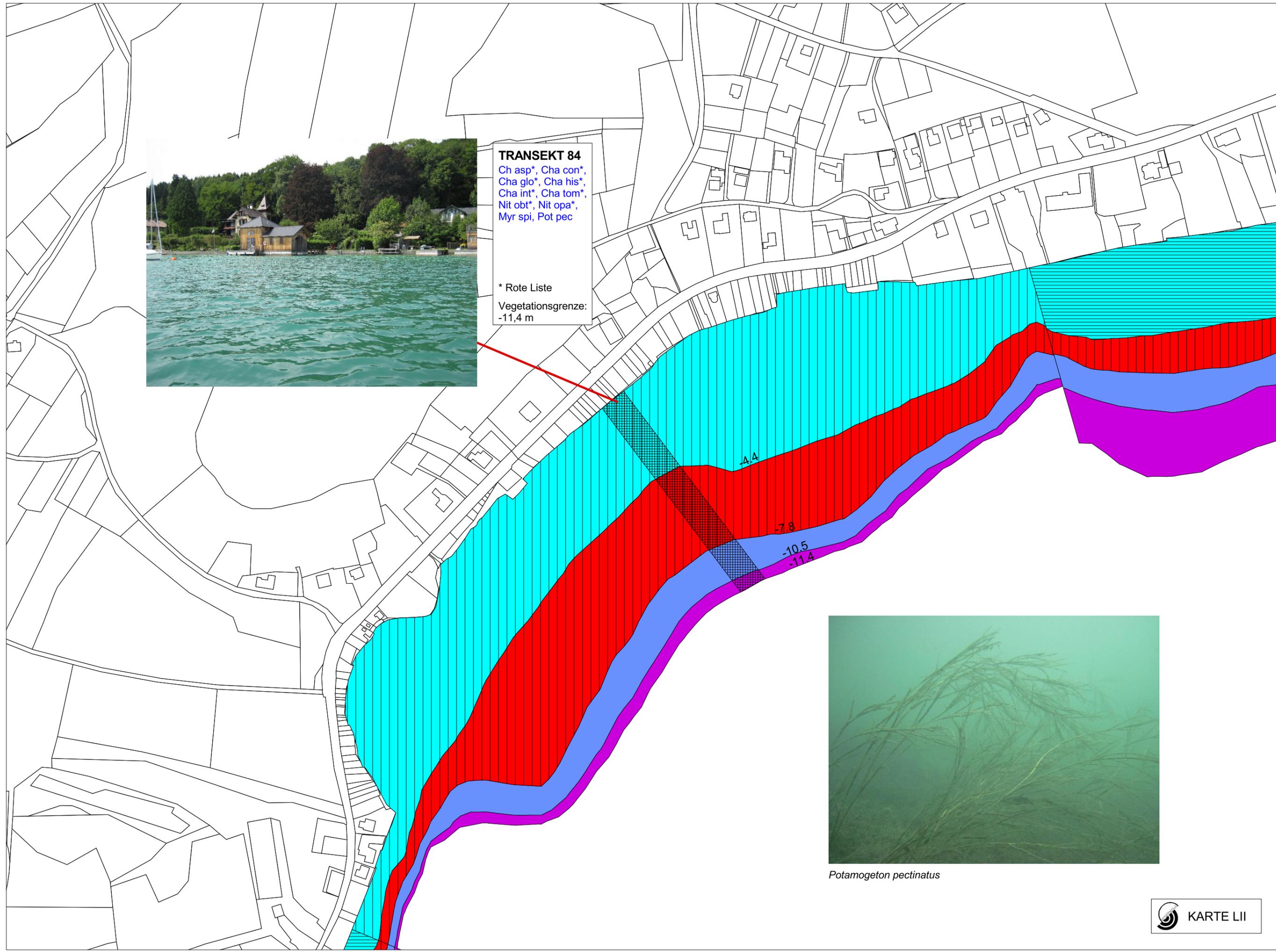


TRANSEKT 84

Ch asp*, Cha con*,
Cha glo*, Cha his*,
Cha int*, Cha tom*,
Nit obt*, Nit opa*,
Myr spi, Pot pec

* Rote Liste

Vegetationsgrenze:
-11,4 m



Potamogeton pectinatus



TRANSEKT 85

Ch asp*, Cha con*,
 Cha del*, Cha glo*,
 Cha his*, Cha int*,
 Nit obt*, Nit opa*,
 Myr spi, Pot fil*,
 Pot pec

* Rote Liste

Vegetationsgrenze:
 -15,0 m

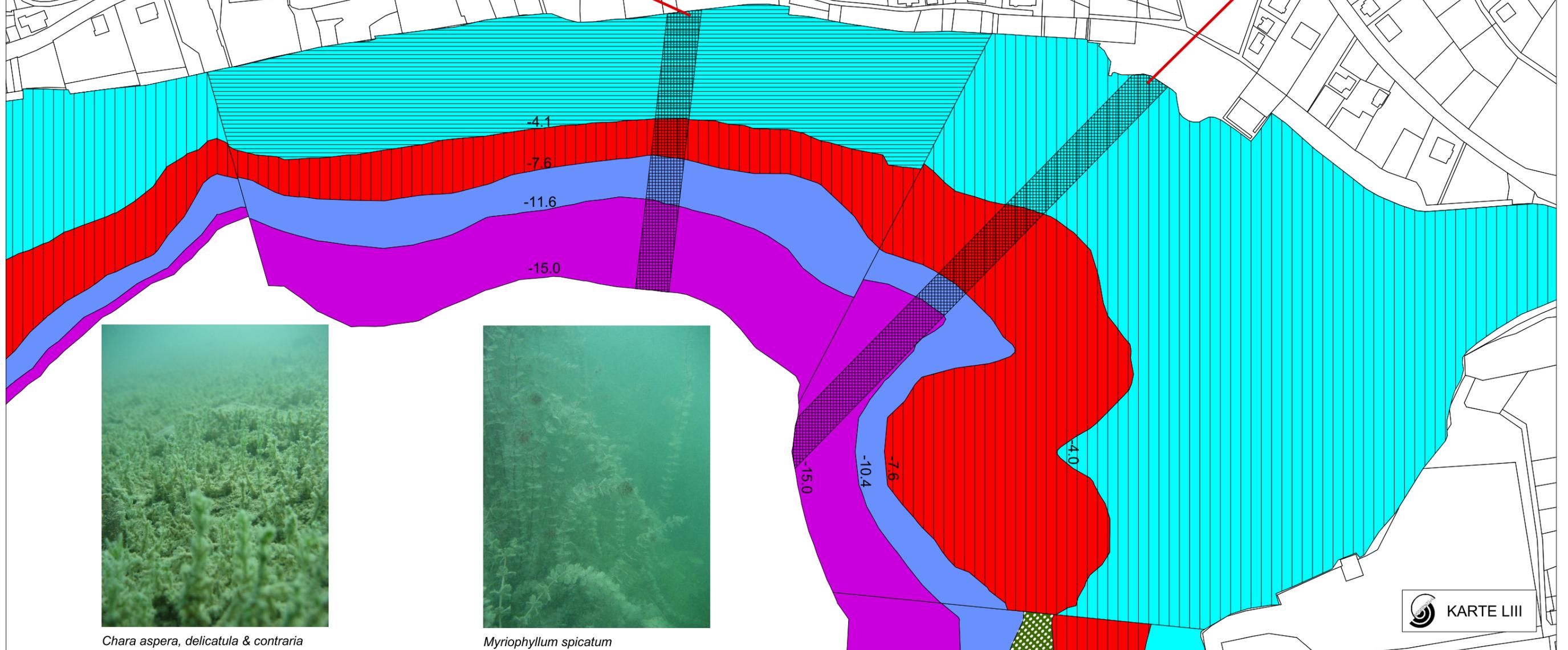


TRANSEKT 86

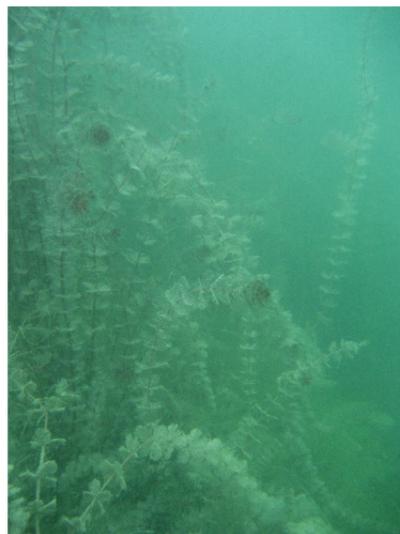
Ch asp*, Cha con*,
 Cha glo*, Cha his*,
 Cha int*, Cha tom*,
 Nit opa*, Myr spi,
 Pot fil*, Pot pec,
 Ran cir*

* Rote Liste

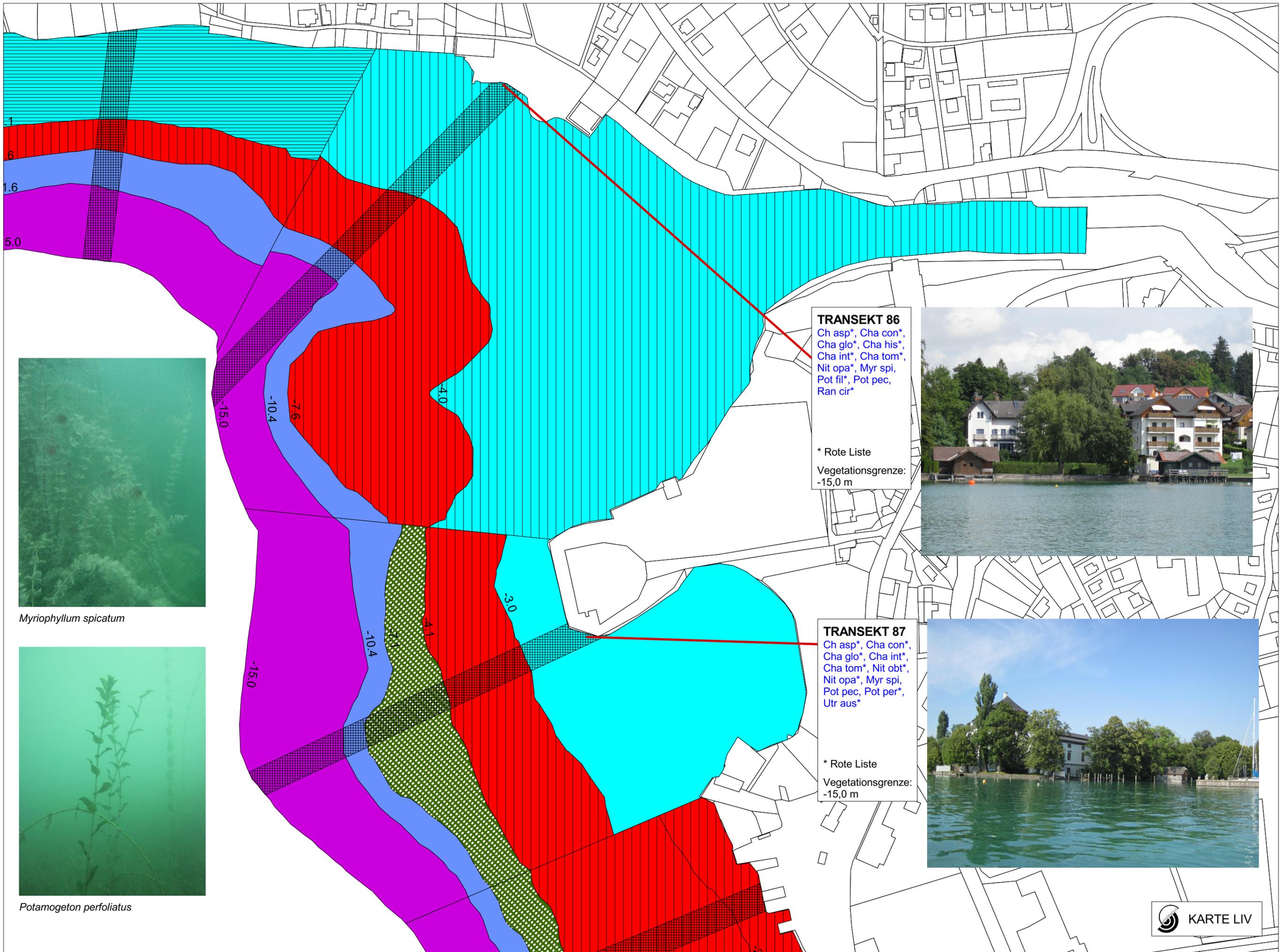
Vegetationsgrenze:
 -15,0 m



Chara aspera, delicatula & contraria



Myriophyllum spicatum



TRANSEKT 86

Ch asp*, Cha con*,
 Cha glo*, Cha his*,
 Cha int*, Cha tom*,
 Nit opa*, Myr spi,
 Pot fil*, Pot pec,
 Ran cir*

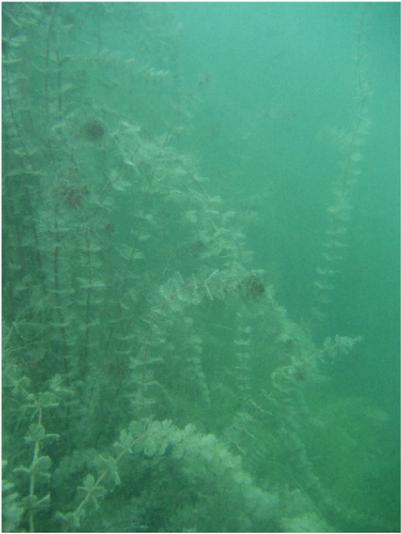
* Rote Liste
 Vegetationsgrenze:
 -15,0 m



TRANSEKT 87

Ch asp*, Cha con*,
 Cha glo*, Cha int*,
 Cha tom*, Nit obt*,
 Nit opa*, Myr spi,
 Pot pec, Pot per*,
 Utr aus*

* Rote Liste
 Vegetationsgrenze:
 -15,0 m



Myriophyllum spicatum



Potamogeton perfoliatus