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LIFE DANUBEISLANDFOREST

Liberty (Szabadság) Island

Tibor Parrag, Duna-Drava National Park Directorate

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Project title : DANUBEISLANDFOREST LIFE07NATH000320
Project duration: 01.01. 2009. – 31.12. 2013.
Project budget: 1.796.000€

Project partners: WWF Hungary- lead beneficiary , *international NGO*
-Duna-Drava National Park Directorate, *regional state organisation*
- ADUVÍZIG (water management directorate), *regional state organisation*
- DRV co. (regional waterworks), *for-profit company*
- Co-financers: Municipality of Mohács town, *local government*
-Coca-Cola Hungary, *for-profit company*

Target habitat: 91E0 (softwood gallery forest)

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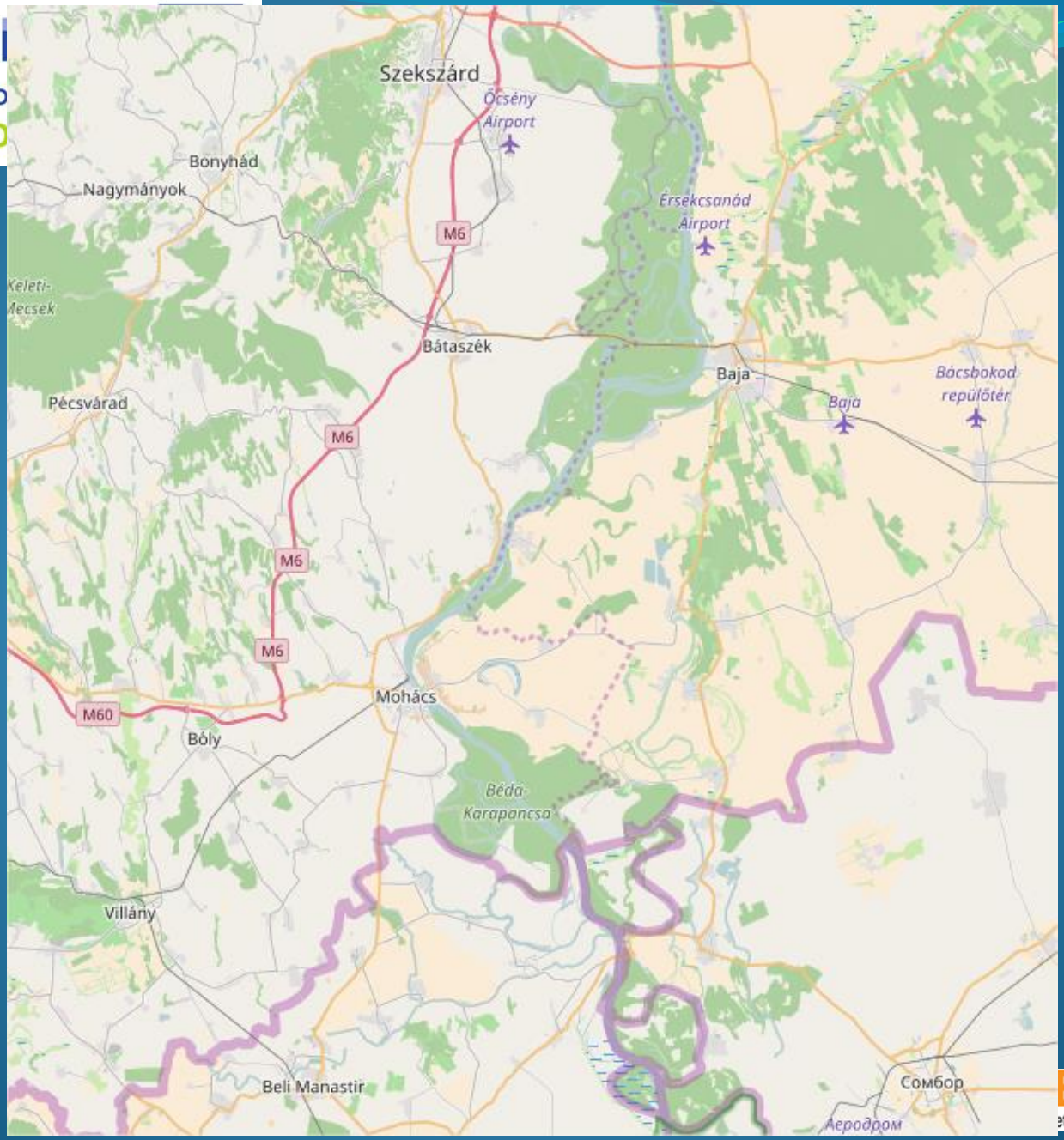

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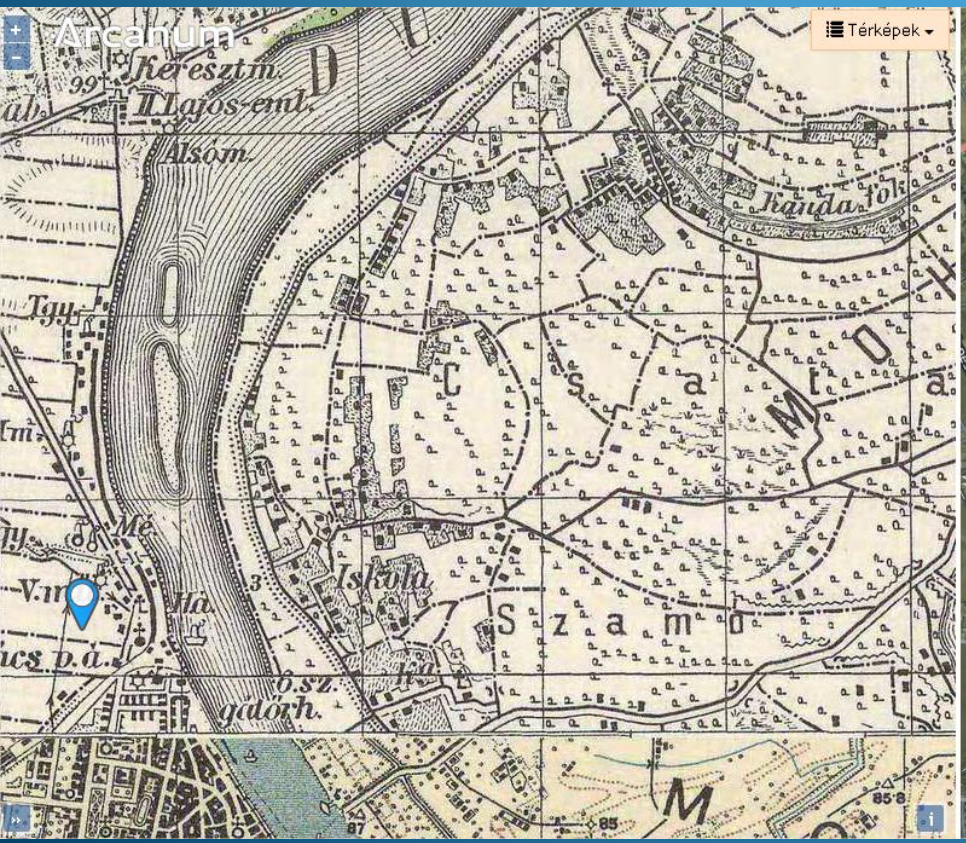
Liberty (Szabadság) island:

- **forested sand shoal within the main channel of Danube**
- **natural forest on lower elevation, plantation on higher ground**
- **blocked sidebranch, significantly silted up (sand and silt)**



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Activities:

- **partially opening of closing dam**
- **dredging sediment from sidebranch**
- **relocating water pipeline**
- **landpurchase**
- **forest restoration (planting native species, controlling invasive species)**
- **monitoring, communication etc....**

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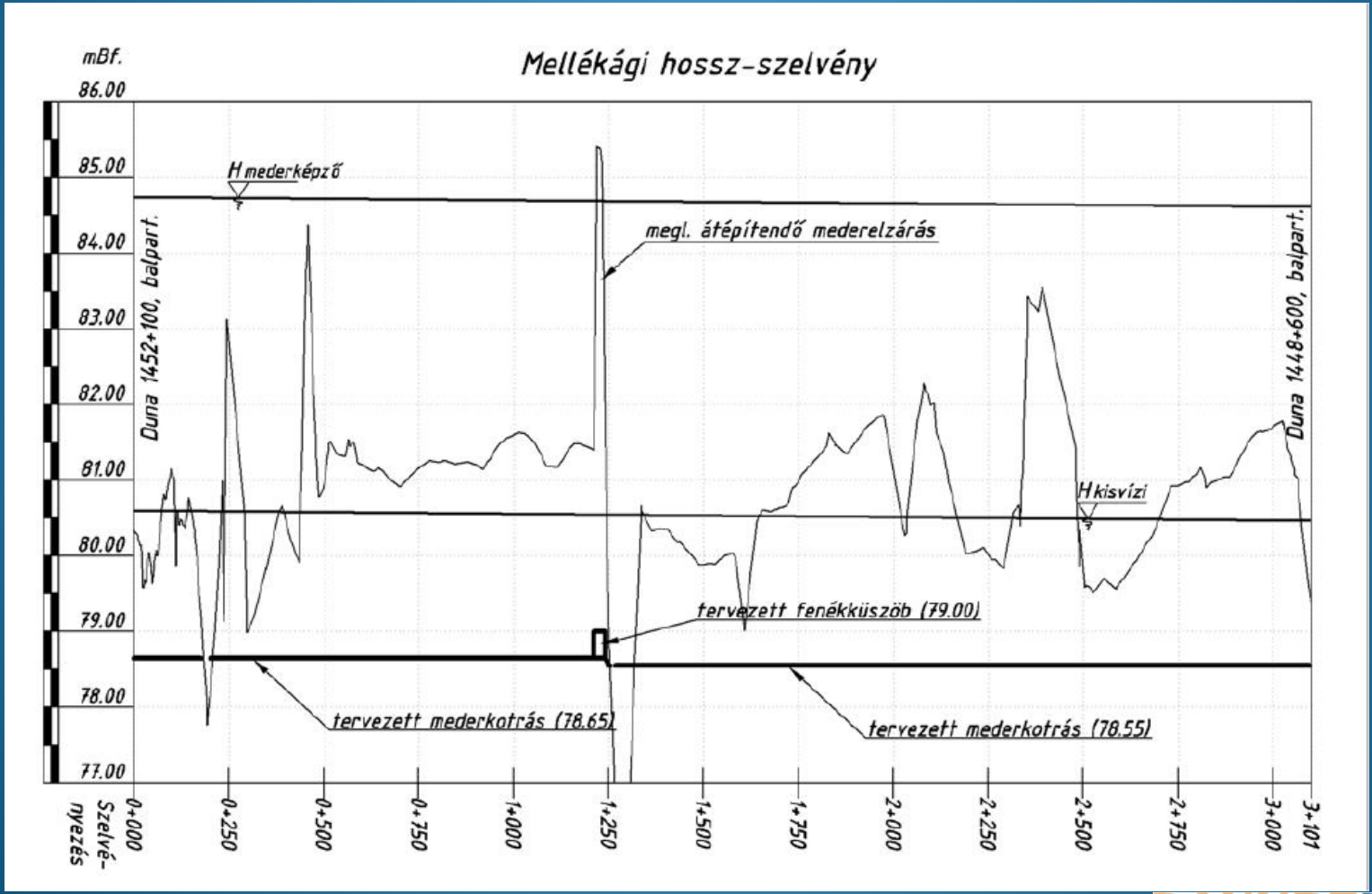
- partially opening of closing dam
- dredging sediment from sidebranch



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- relocating water pipeline

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- forest restoration (planting native species, controlling invasive species)

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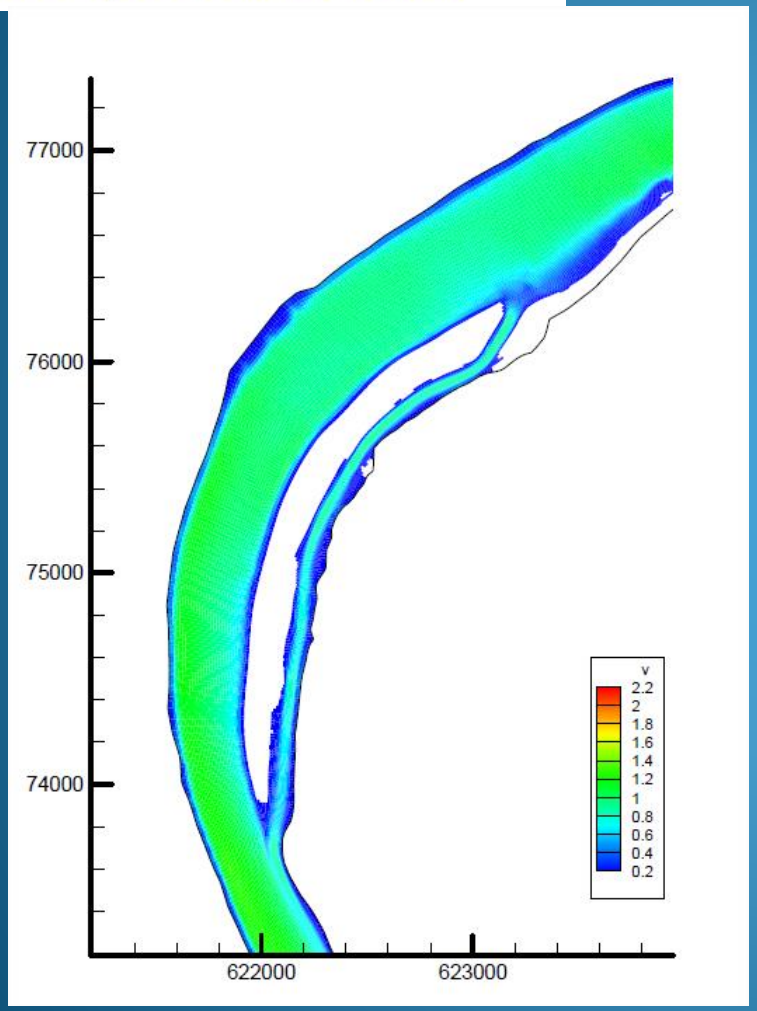

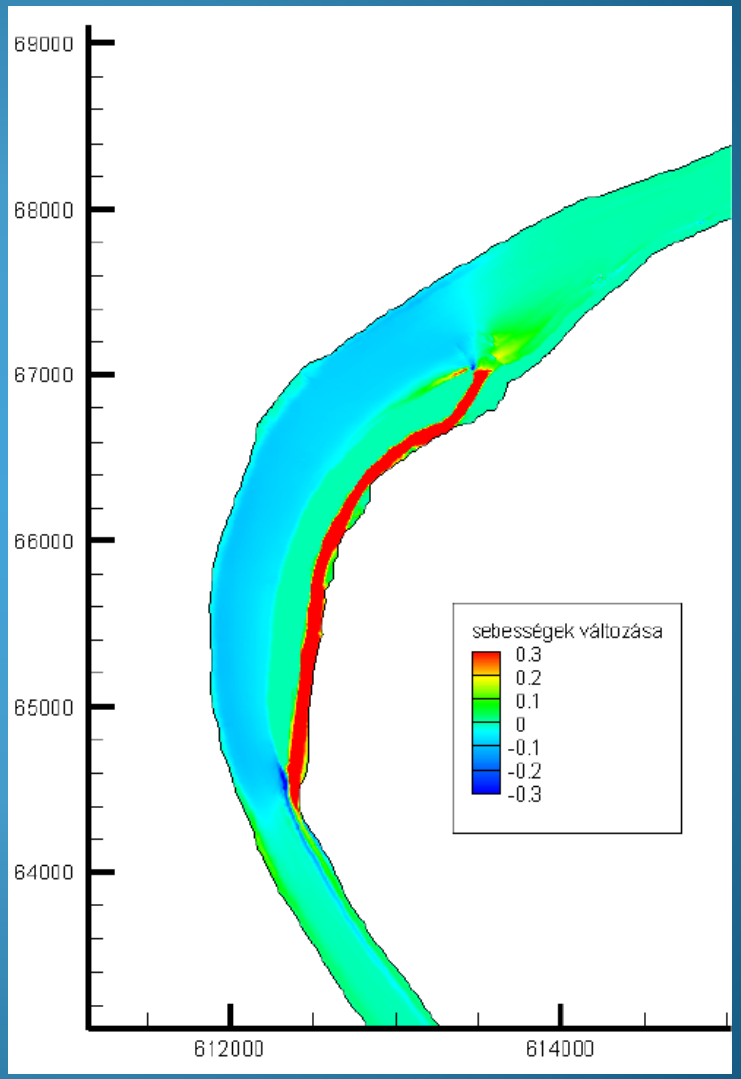

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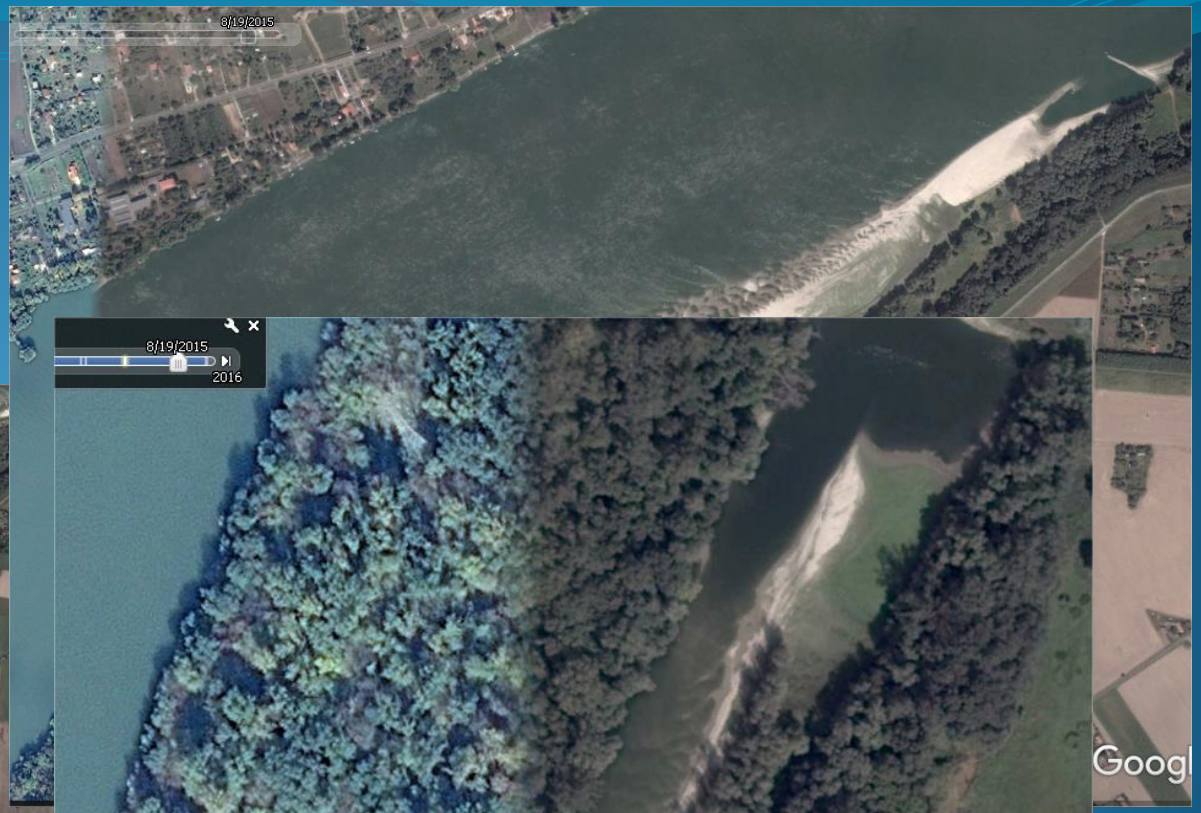

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Befor e restoration

1	Abramis brama	dévér	
2	Alburnus alburnus	küsz	
3	Aspius aspius	balin	reofil
4	Blicca bjoerkna	karikakeszeg	
5	Carassius gibbelio	ezüstkárász	
6	Esox lucius	csuka	limnofil
7	Gobio kessleri	homoki küllő	reofil
8	Gymnocephalus cernuus	vágó durbincs	
9	Leuciscus idus	jász	reofil
10	Neogobius fluviatilis	folyami géb	reofil
11	Neogobius kessleri	Kessler géb	
12	Neogobius melanostomus	feketeszájú géb	
13	Perca fluviatilis	csapósügér	
14	Rutilus pigus	leánykoncér	reofil
15	Rutilus rutilus	bodorka	
16	Sander lucioperca	süllő	
17	Silurus glanis	harcsa	

After restoration

1	Abramis brama	dévér	
2	Alburnus alburnus	küsz	
3	Aspius aspius	balin	reofil
4	Babka gymnotrachelus	F-t-i géb	
5	Barbus barbus	márna	reofil
6	Blicca bjoerkna	karikakeszeg	
7	Carassius gibelio	ezüstkárász	
8	Chondrostoma nasus	paduc	reofil
9	Esox lucius	csuka	limnofil
10	Gymnocephalus cernua	vágó durbincs	
11	Lepomis gibbosus	naphal	limnofil
12	Leuciscus Idus	jász	reofil
13	Lota lota	menyhal	reofil
14	Neogobius fluviatilis	folyami géb	reofil
15	Neogobius melanostomus	feketeszájú géb	
16	Perca fluviatilis	csapósügér	
17	Ponticola kessleri	Kessler géb	
18	Proterorhinus semilunaris	tarka géb	
19	Pseudorasbora parva	razbóra	
20	Romanogobio albipinnatus	haványfoltú küllő	reofil
21	Rutilus rutilus	bodorka	
22	Sander lucioperca	süllő	
23	Scardinius erythrophthalmus	vörösszárnyú keszeg	limnofil
24	Silurus glannis	harcsa	
25	Squalius cephalus	fejes domolykó	reofil
26	Zingel zingel	magyar bucó	reofil

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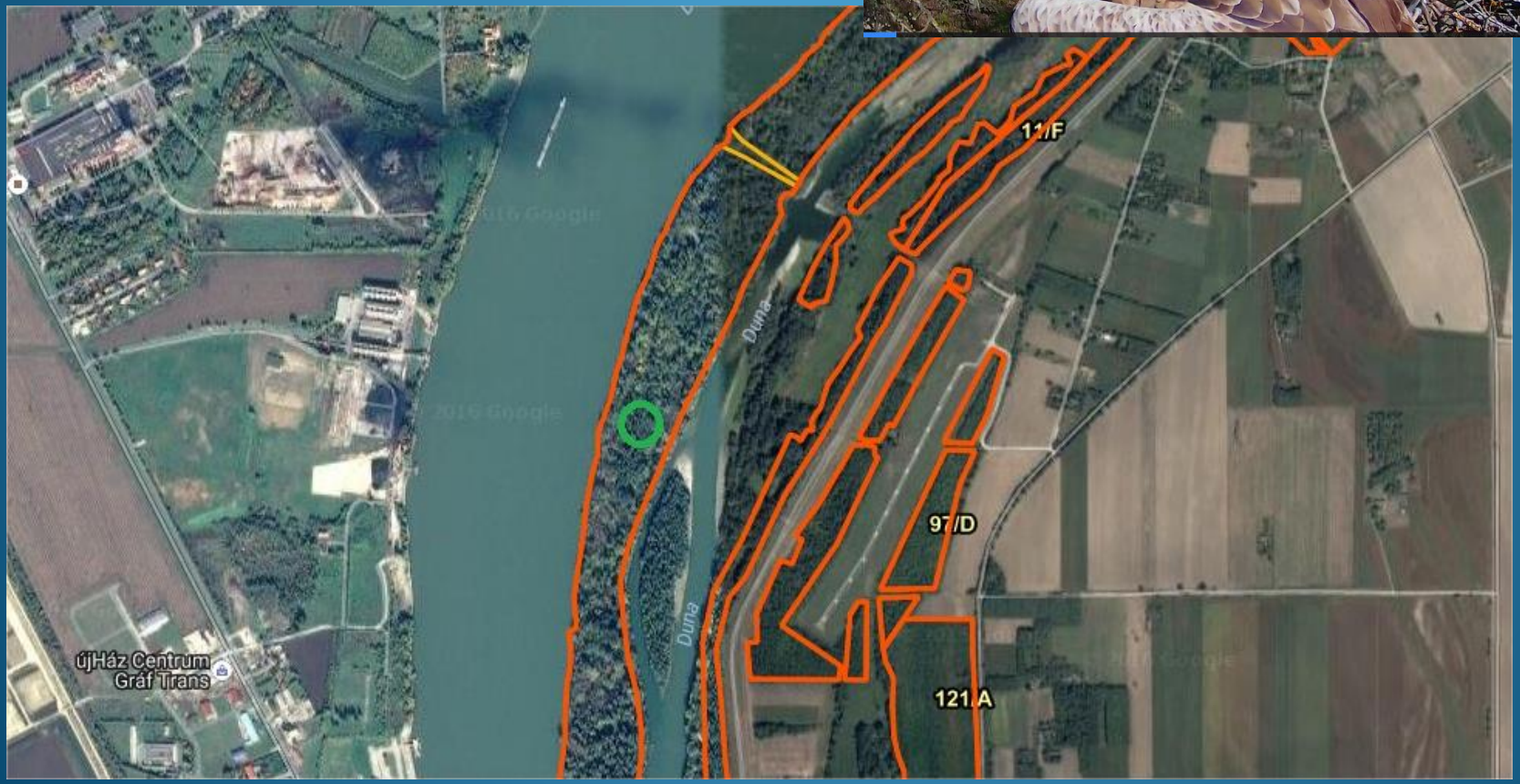

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WILDISLAND CRITERIA		
	before	after
semi-aquatic respectively semi-terrestrial structures in , or nearby the main course of the river, surrounded by water	yes (mostly)	yes
natural or semi-natural habitat type	mostly artificial/altered	semi-natural
outcomes of river dynamics and natural processes	yes	yes
without any human infrastructure	powerline, pipeline	powerline, pipeline
non-intervention management	permanent management (forestry, infrastructure maintenance)	occasionally management (infrastructure maintenance)
human disturbance	higher	lower
river dynamics	sedimentation	sedimentation and erosion

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Liberty (Szabadság) island is/will not fit to expectation of WildisLand criteria, but the natural values has increased :

- more natural habitats (softwood gallery forest)
- protected species occurred (white tailed eagle, beaver)
- natural fish communities in sidebranch
- river dynamics within the sidebranch

Question for future:

- sustainability (forest, sidebranch)
- sediment balance
- larger scale restoration
- WildisLand restoration

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Thank you for attention

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