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PROF. DR. SIEKER MBH

UBA Research Project FKZ 203 22 281

„Testing Innovative Approaches in the River Basin Management Plan of the Case Study Catchment Lausitzer Neiße/Oder in Accordance with the Water Framework Directive“

- Identification of Water Bodies -

Scientific Coordinator: Dr. B. Fritzsche (StUFA Bautzen)

Results presented by:

Consulting Team IPS & ube

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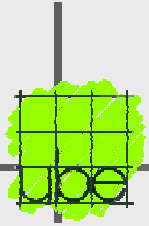
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Identification of Water Bodies in the Saxonian Part of the PRB Lausitzer Neiße - Part 1: Tributary River Mandau -

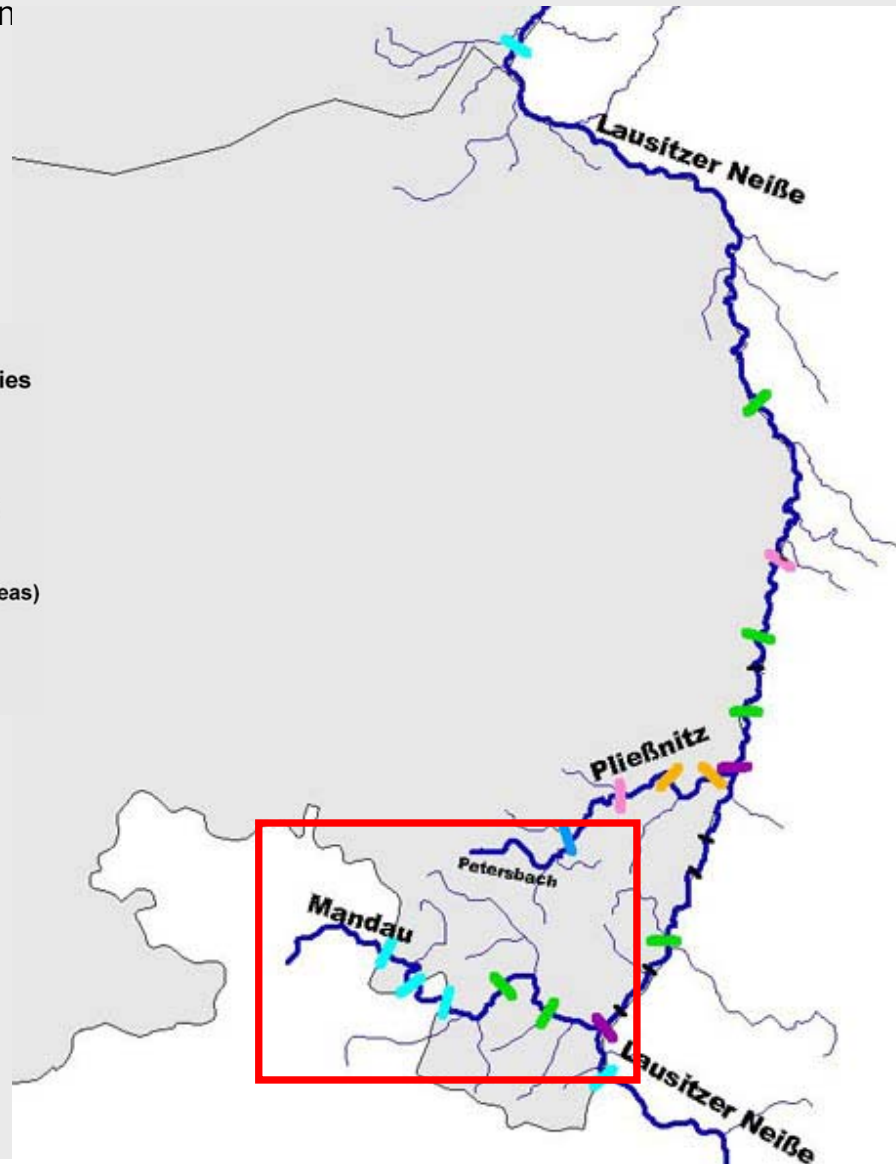


Overview



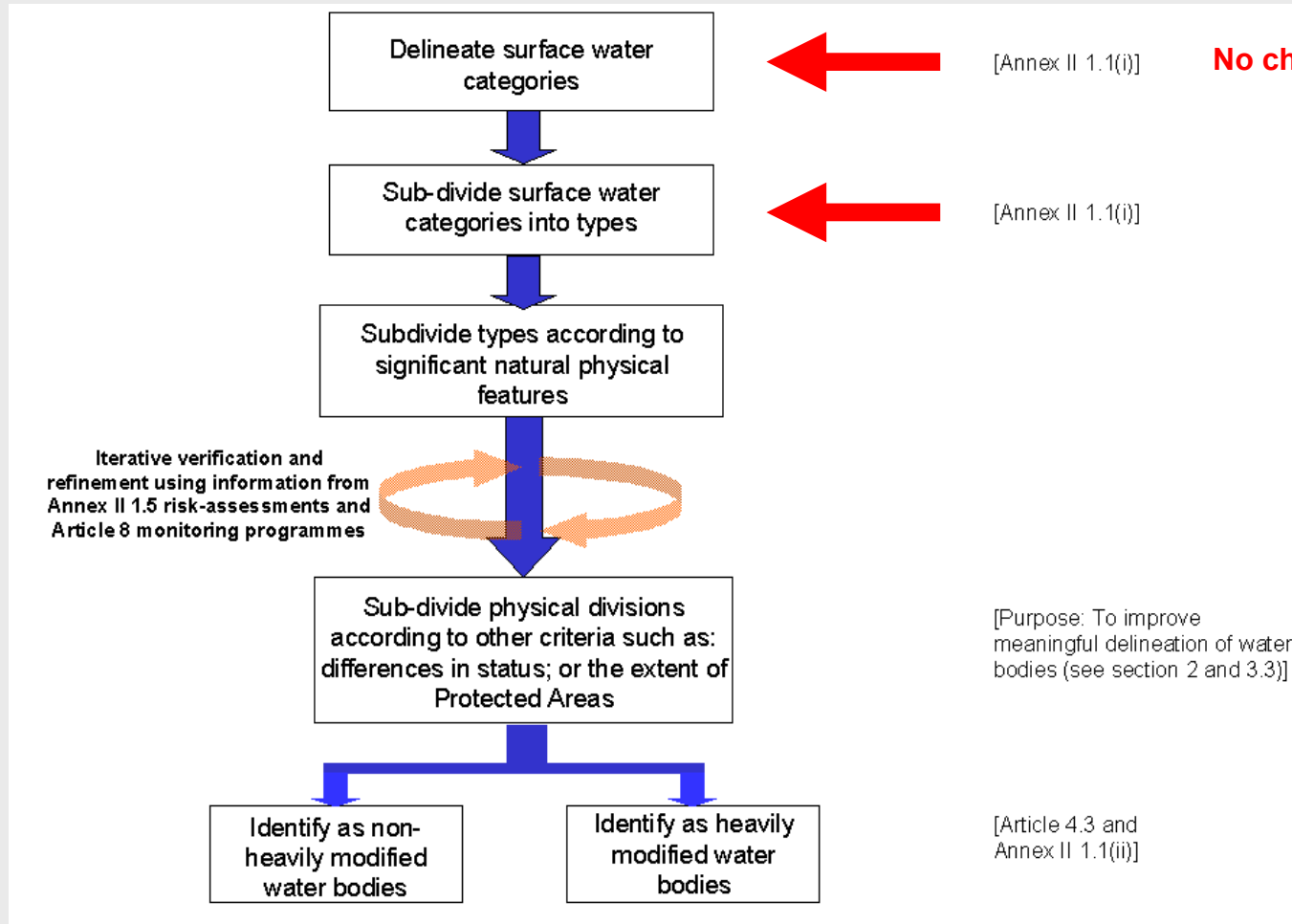
Dominant reason for the demarcation of the water bodies

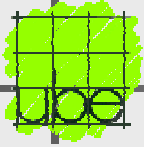
- category
- tributary
- stream type
- saprobic status classes
- german habitat survey
- concentration of salt
- nature reserves (FFH areas)
- national frontiers
- land utilization
- sub-water-body



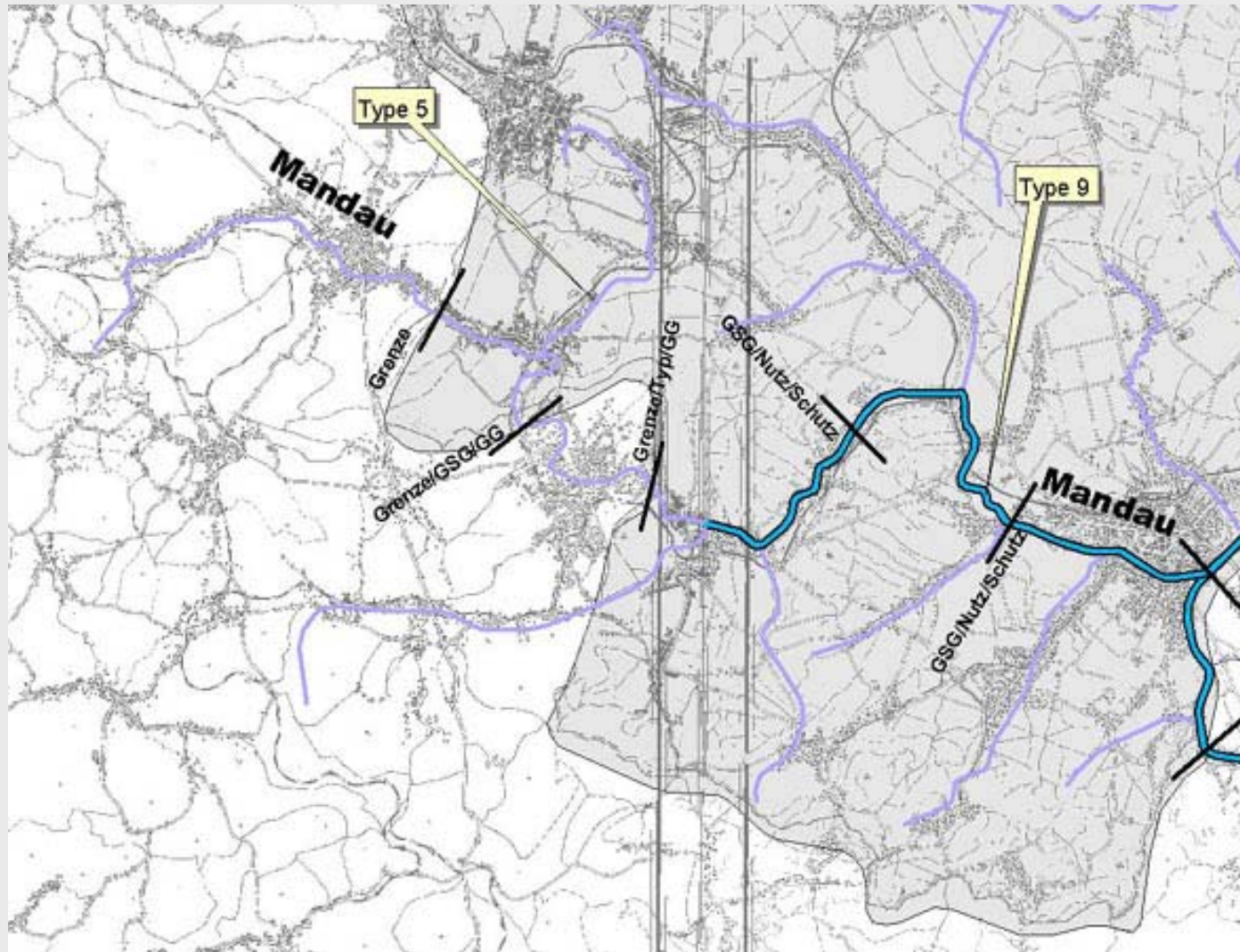


Flowchart of the Identification Process (According to the Horizontal Guidance Document)





River Typology According to LAWA

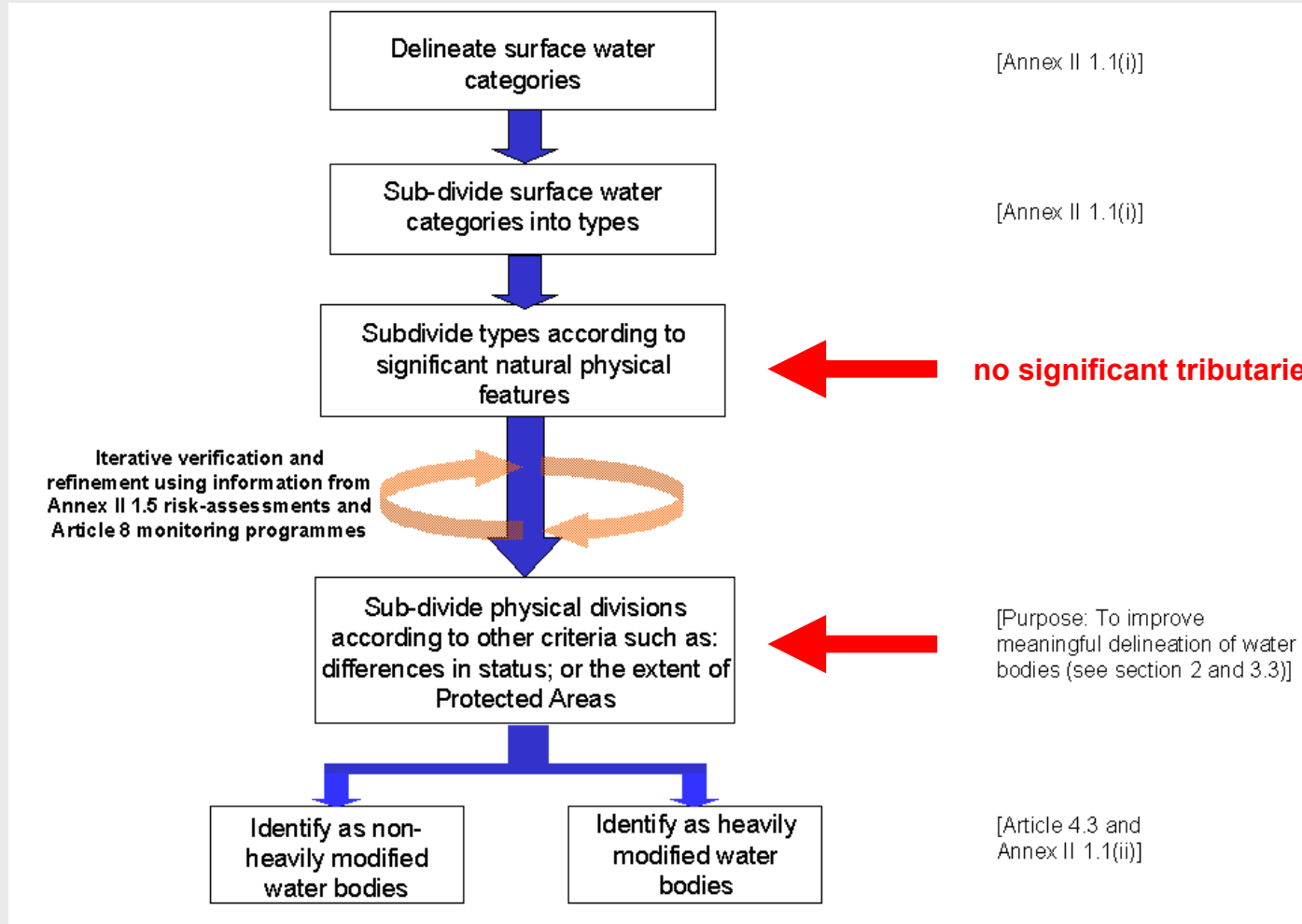


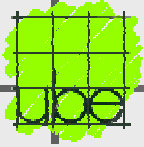
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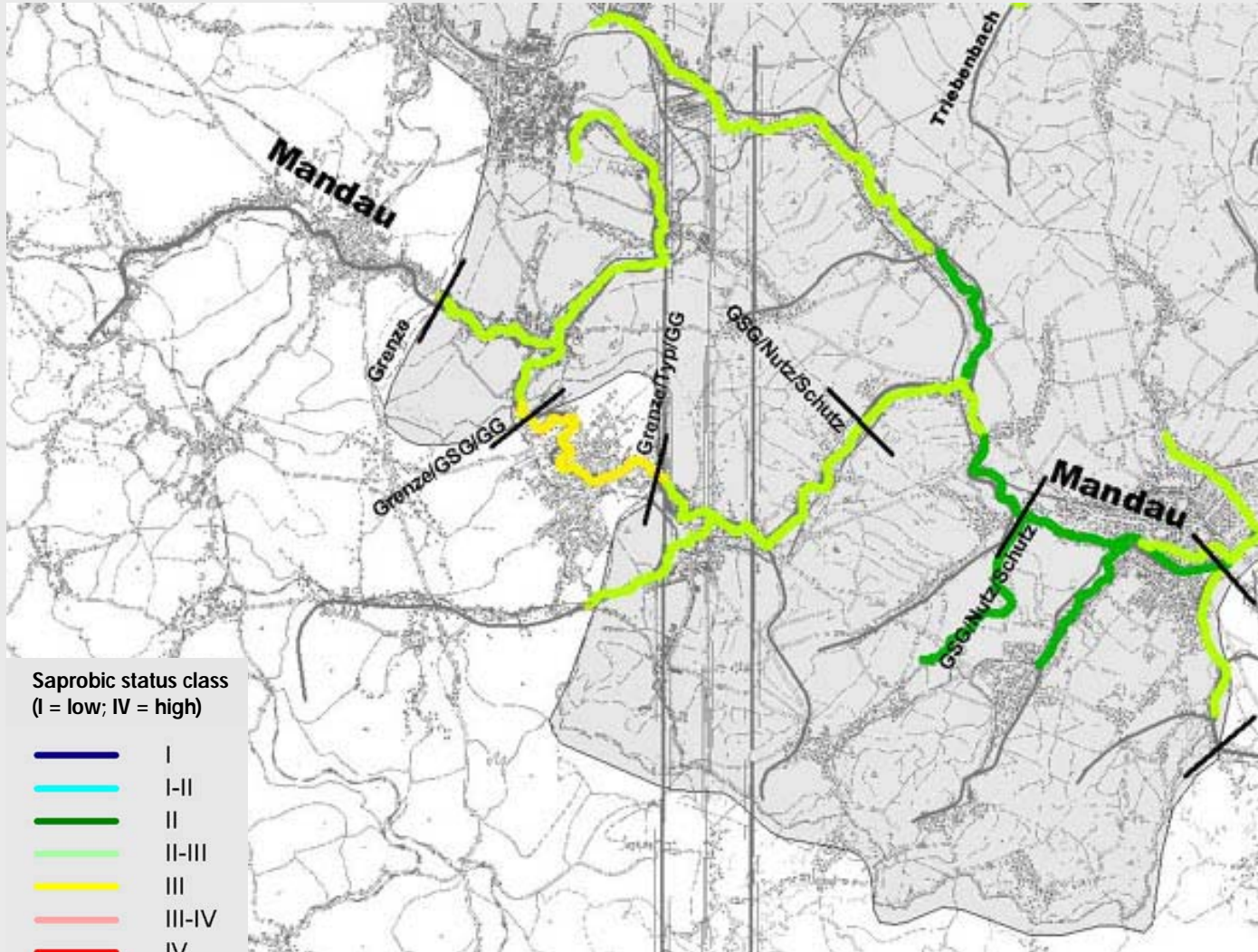


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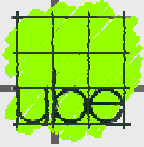


Saprobic Status



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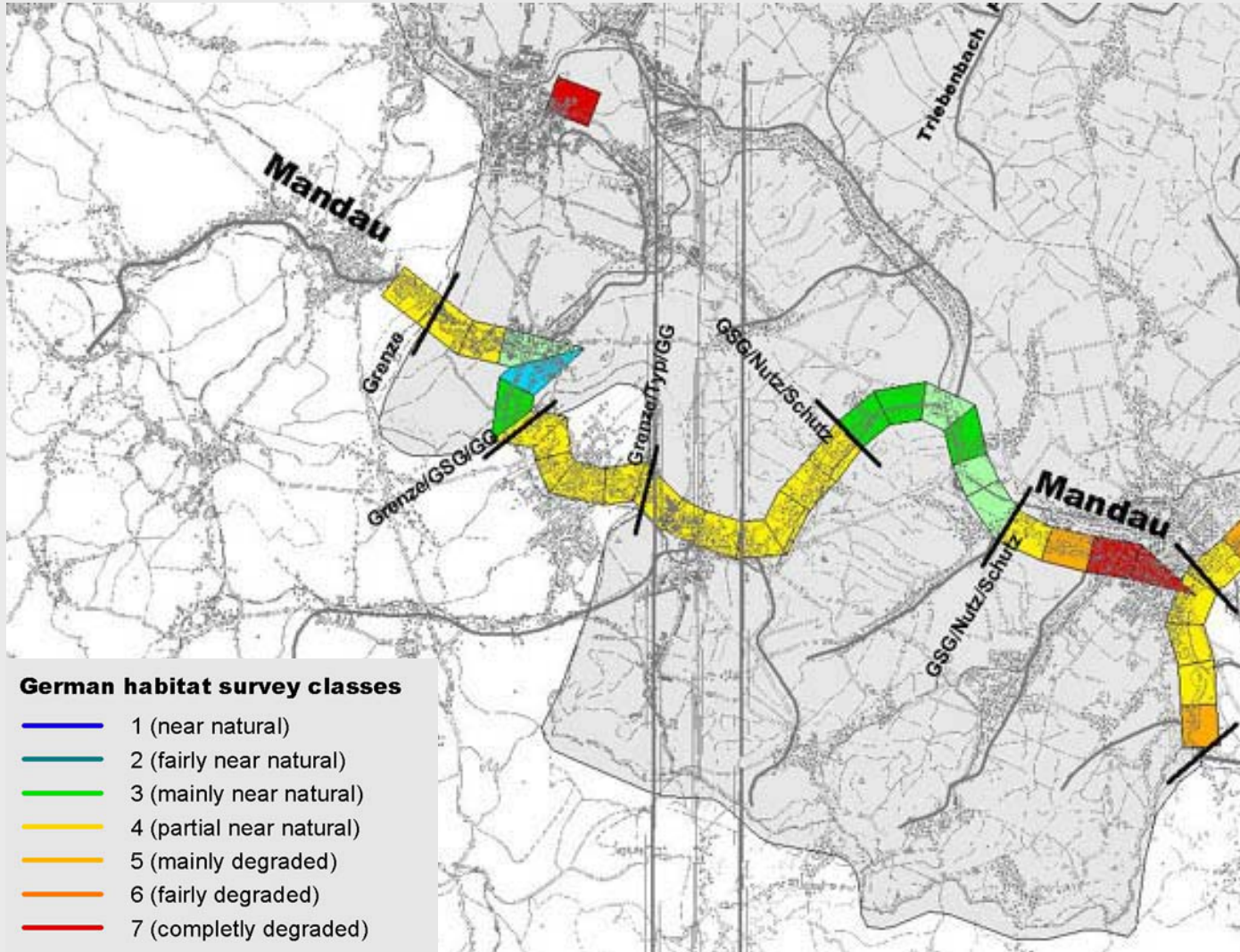


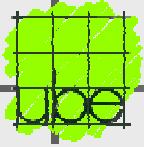
German Habitat Survey (Assessment of Stream Morphology)

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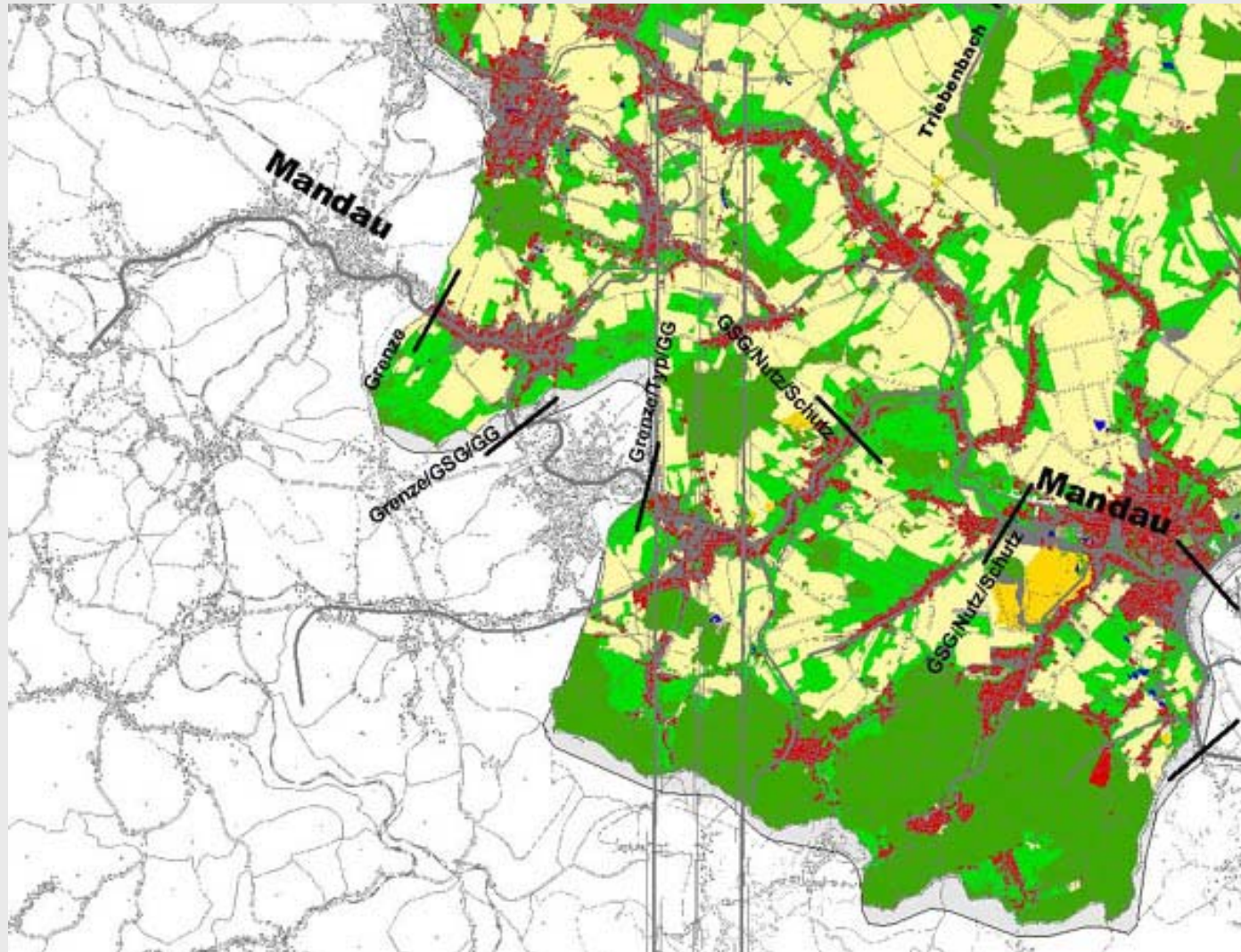


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Land Utilization

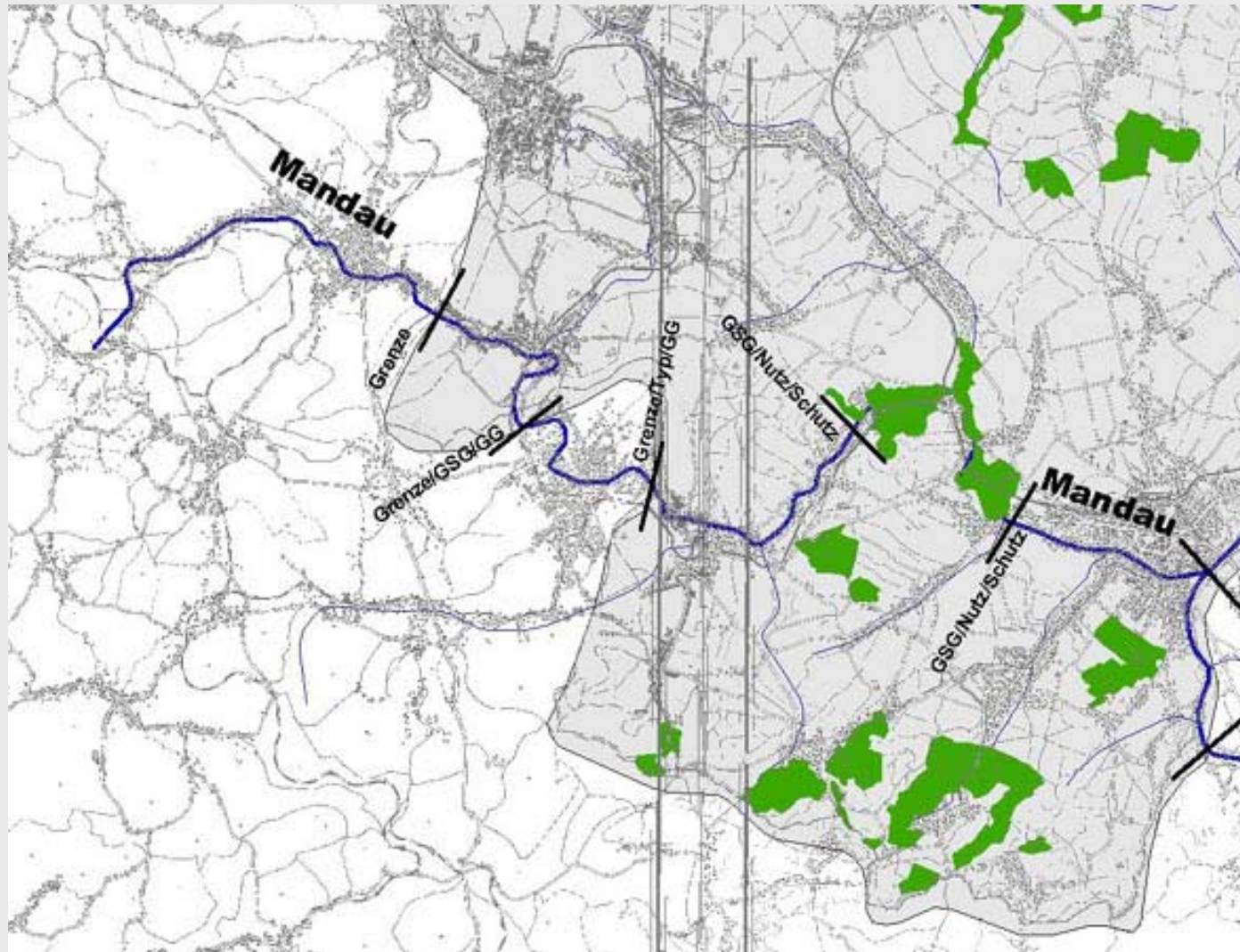


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Nature Reserves (FFH Areas)

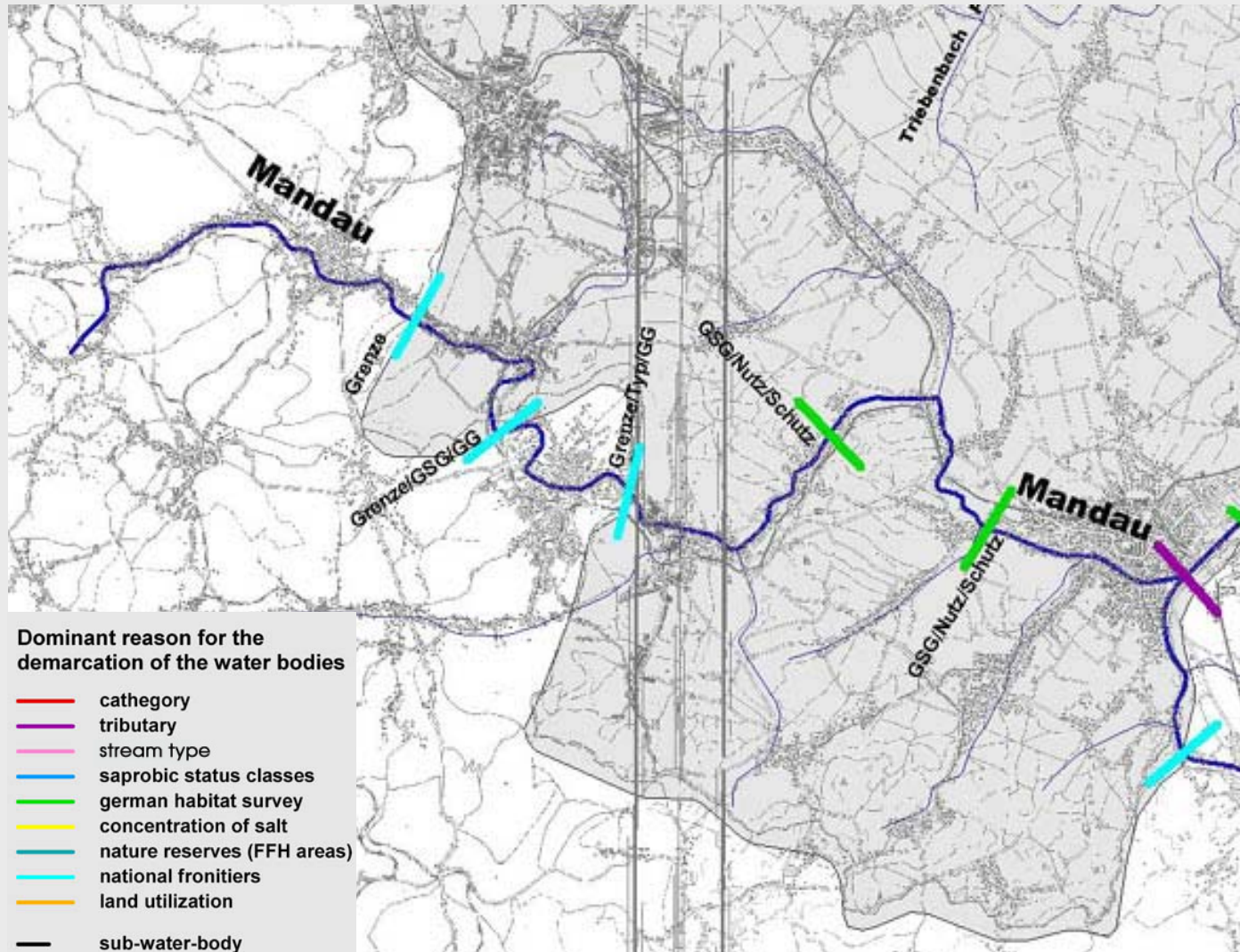


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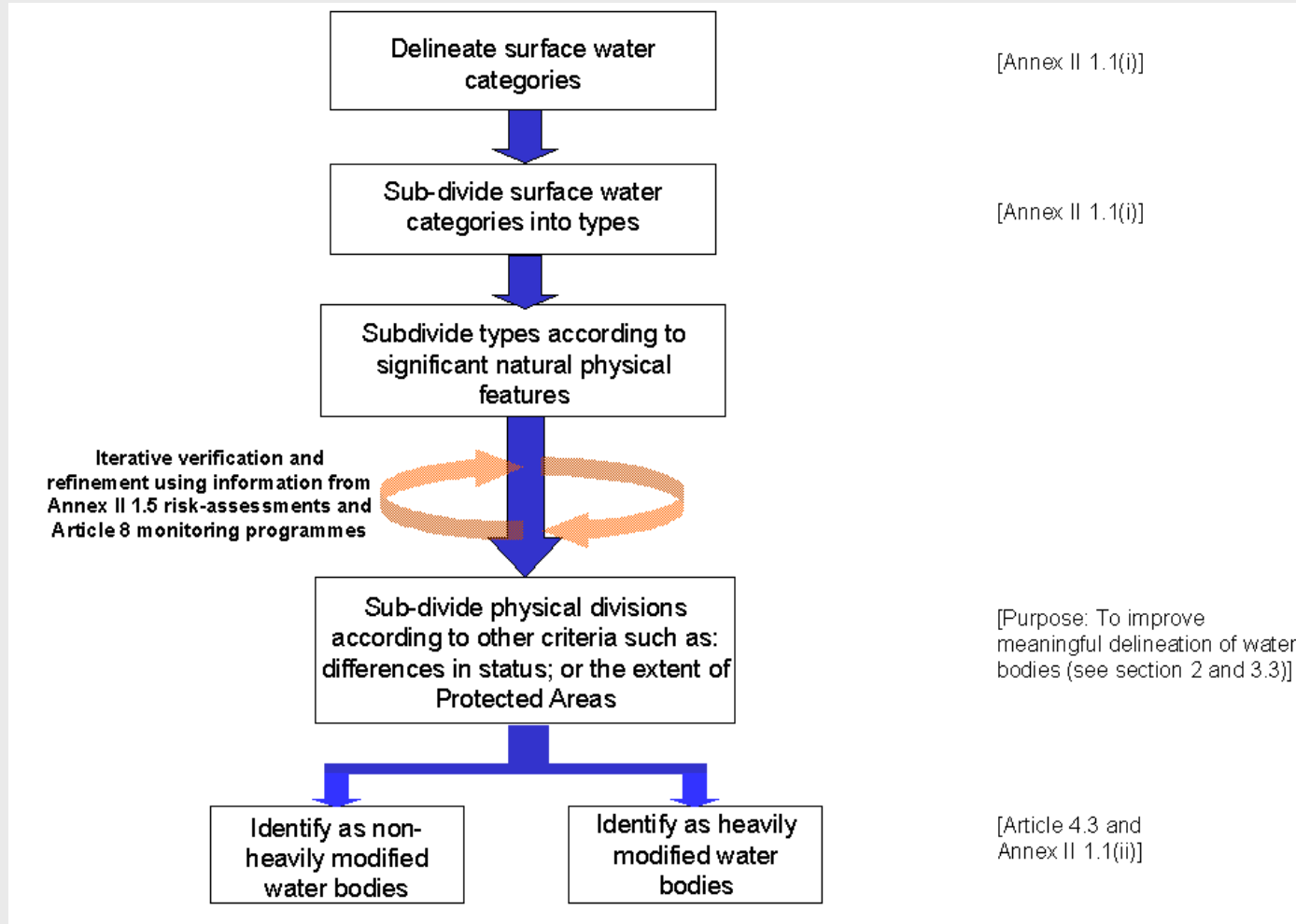


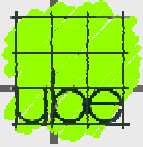
Water Bodies of the River Mandau





Flowchart of the Identification Process (According to the Horizontal Guidance Document)



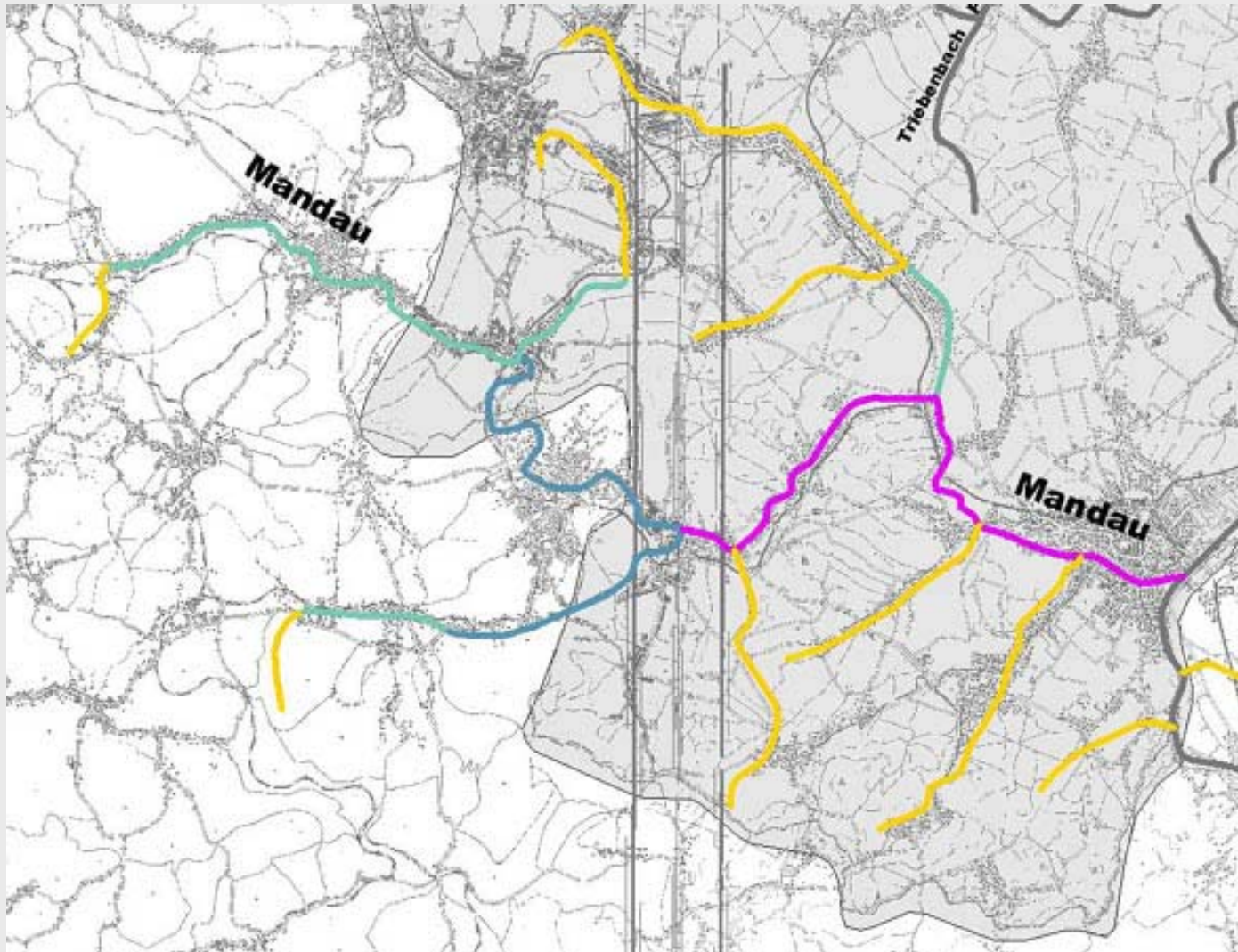


Water Bodies in the Sub Basin River Mandau (According to the Strahler System – Used in Czech Republic)

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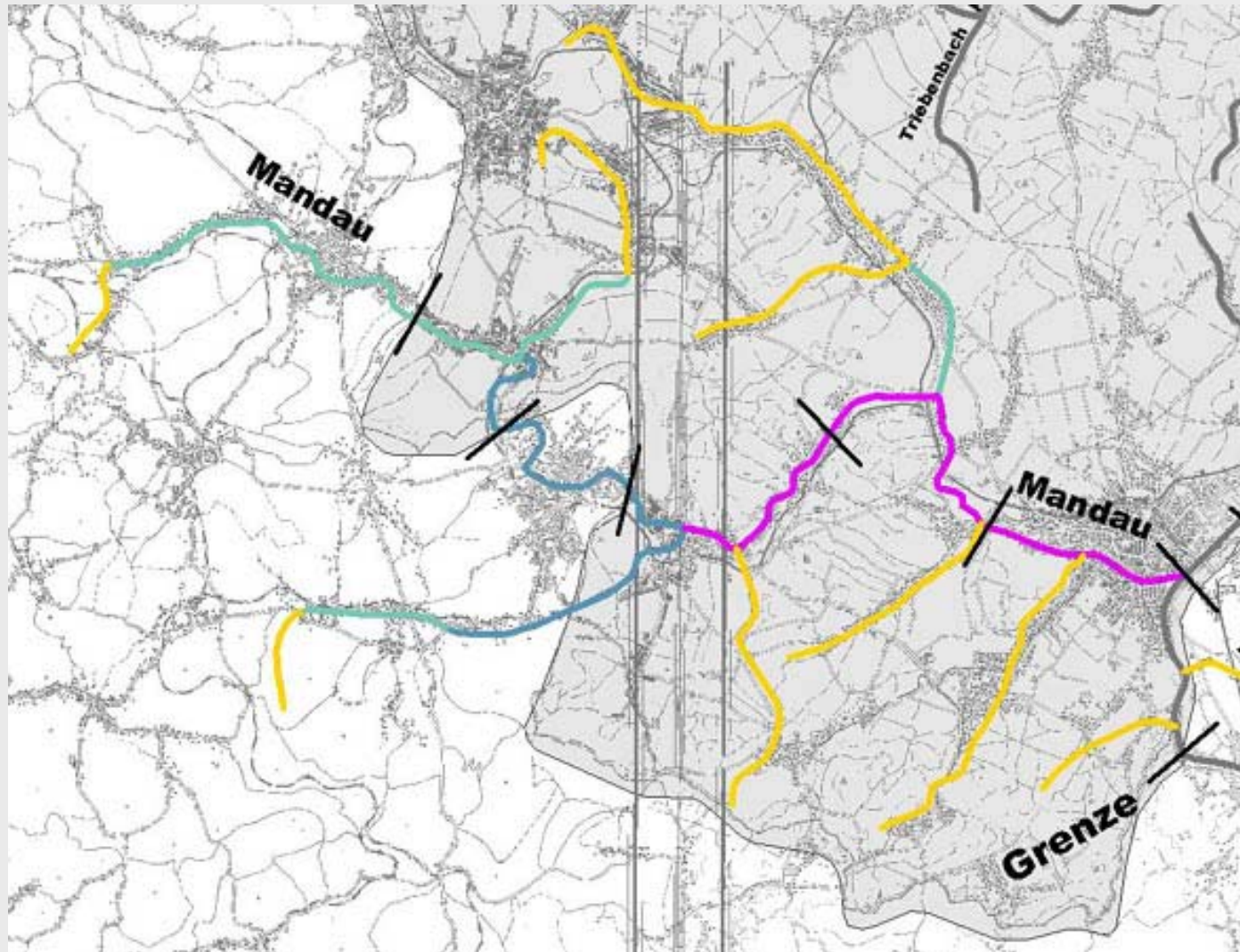
Water Body Identification According to the Horizontal Guidance Document Compared to the Water Bodies Identified According to the Strahler System



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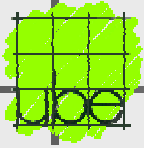
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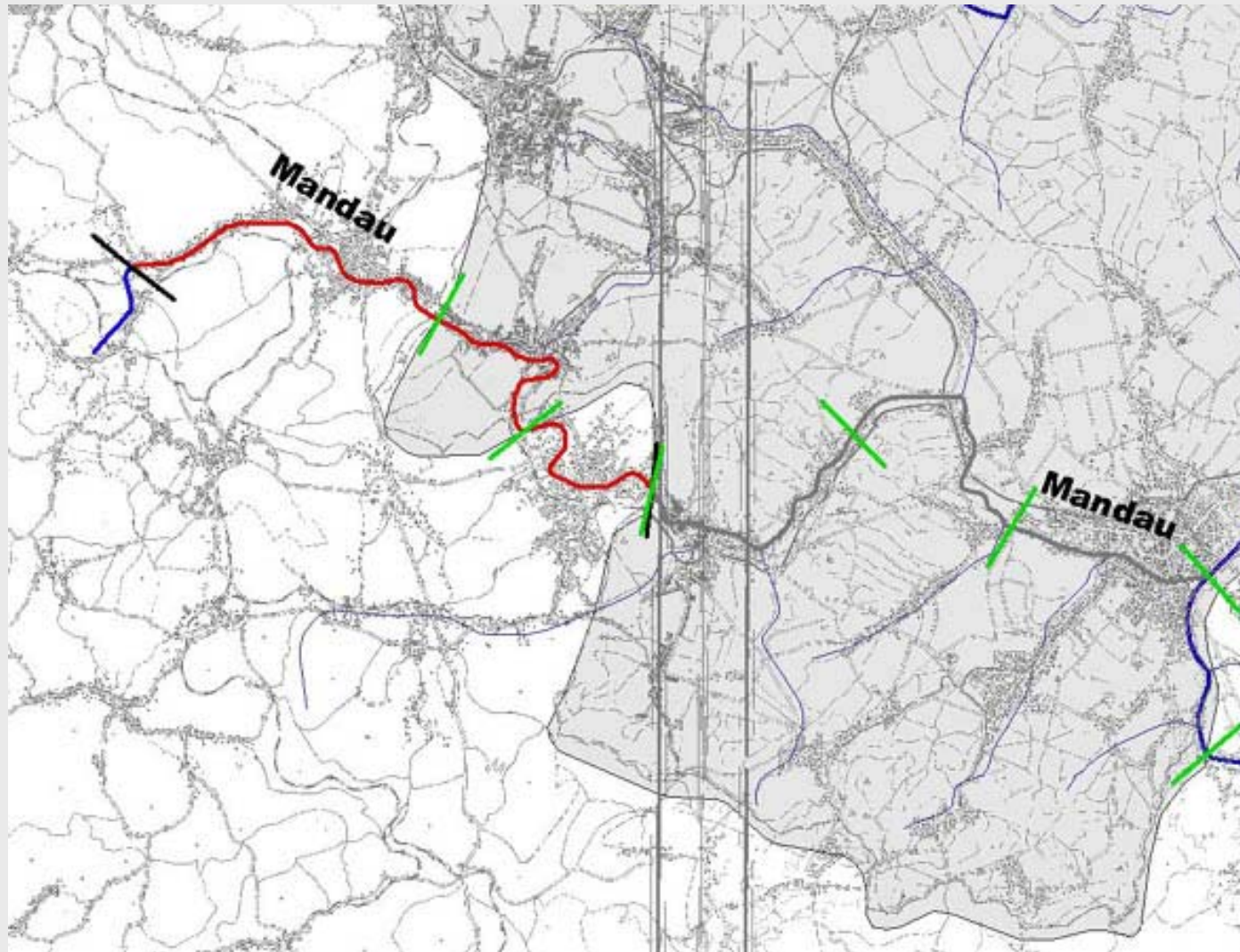
Czech Water Bodies According to STRAHLER (1957) and the Water Body Demarcations According to Horizontal Guidance (green lines)

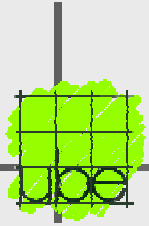


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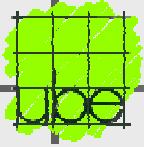


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Identification of Water Bodies in the Saxonian Part of the PRB Lausitzer Neiße - Part 2: Tributary River Pließnitz -

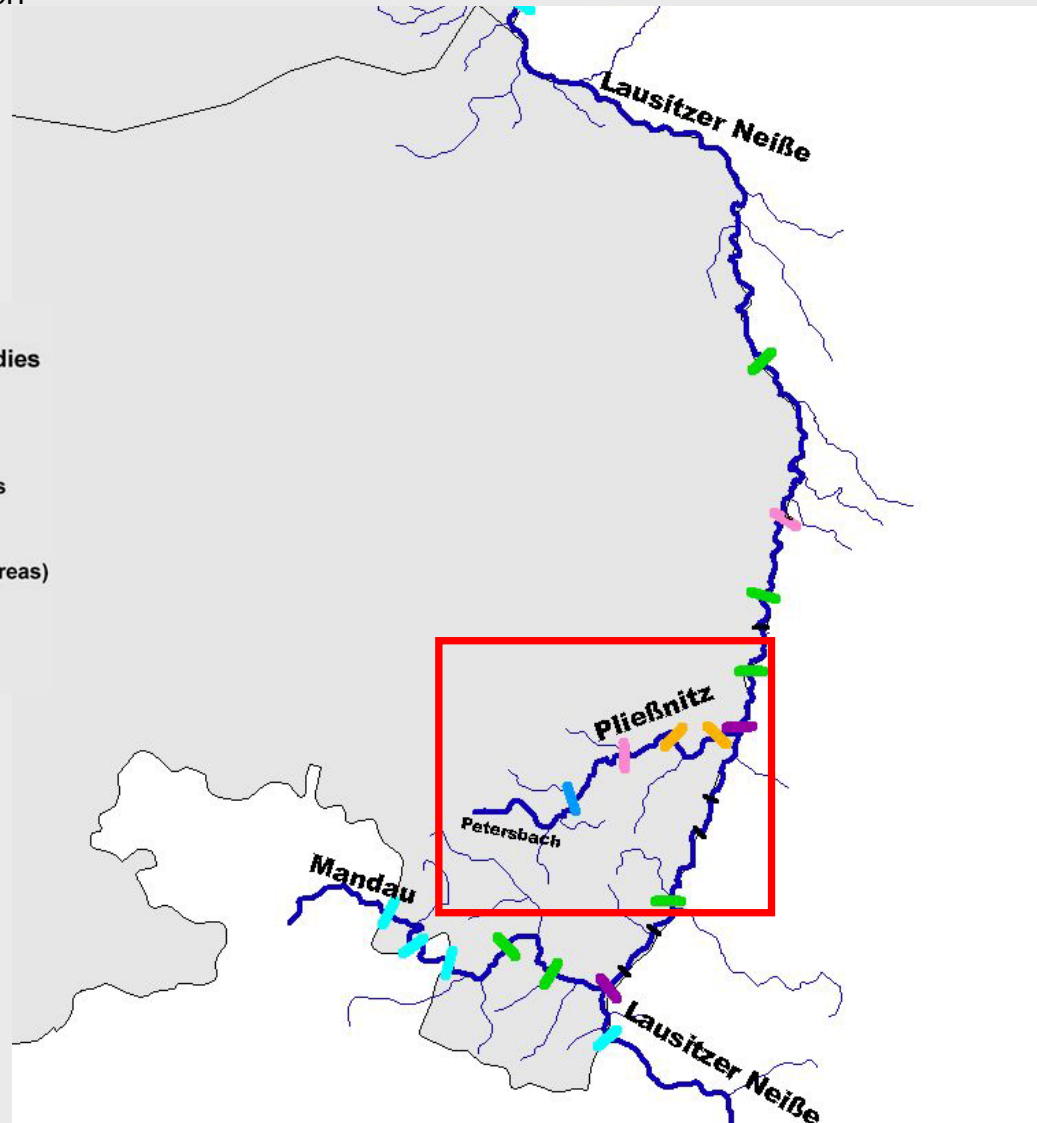


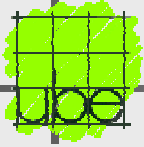
Overview



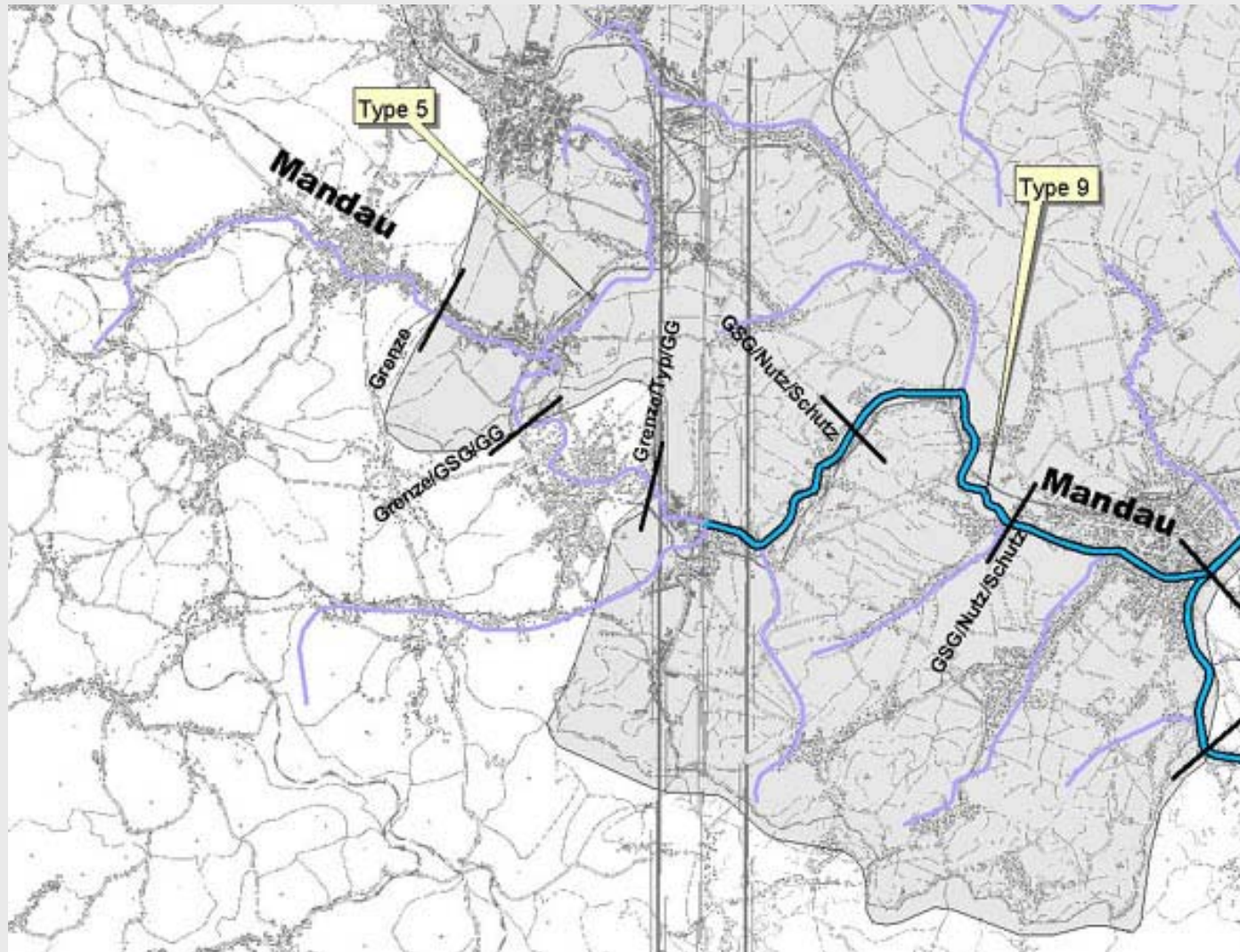
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- sub-water-body



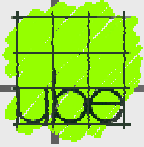


Stream Typology According to LAWA

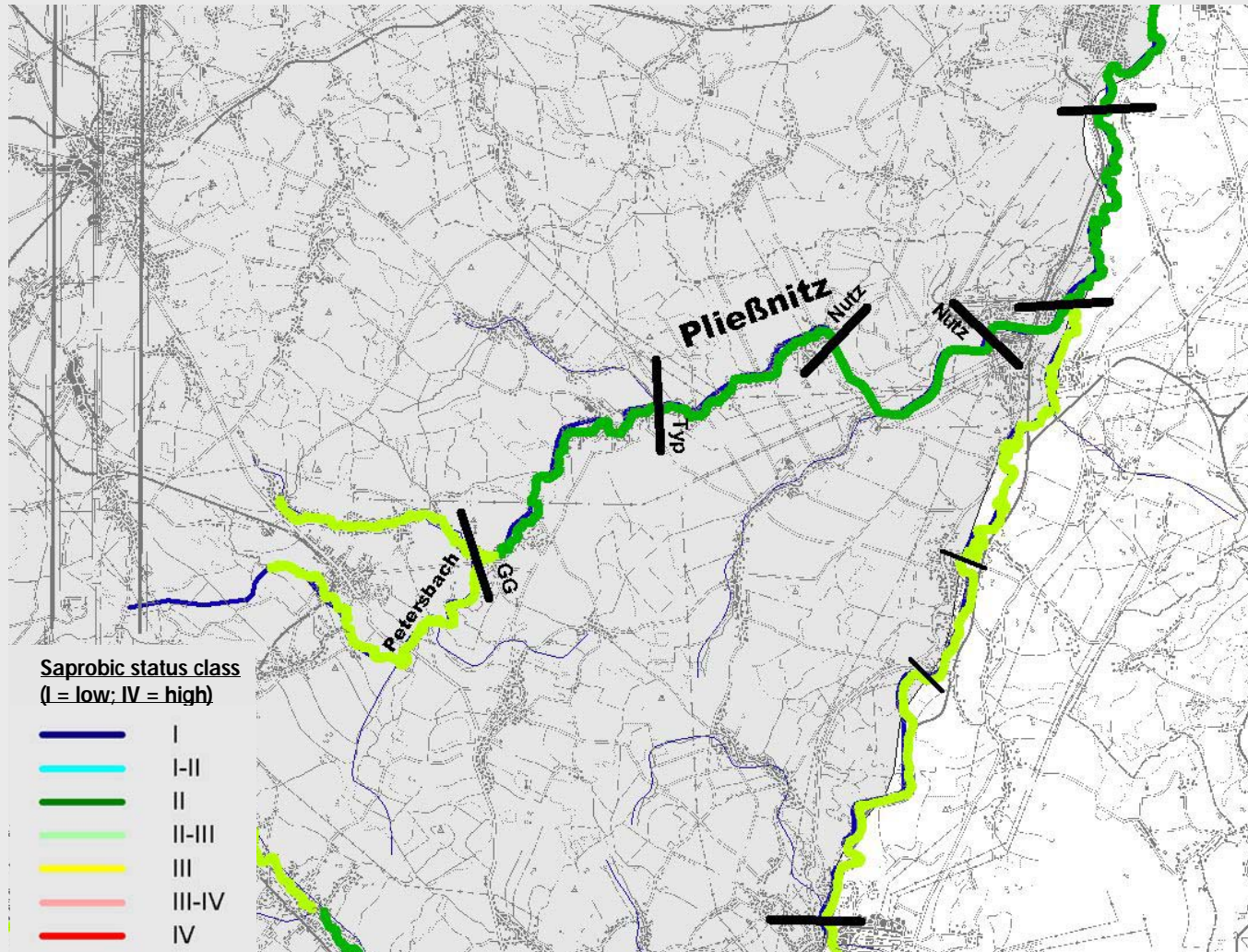


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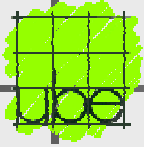


Saprobic Status

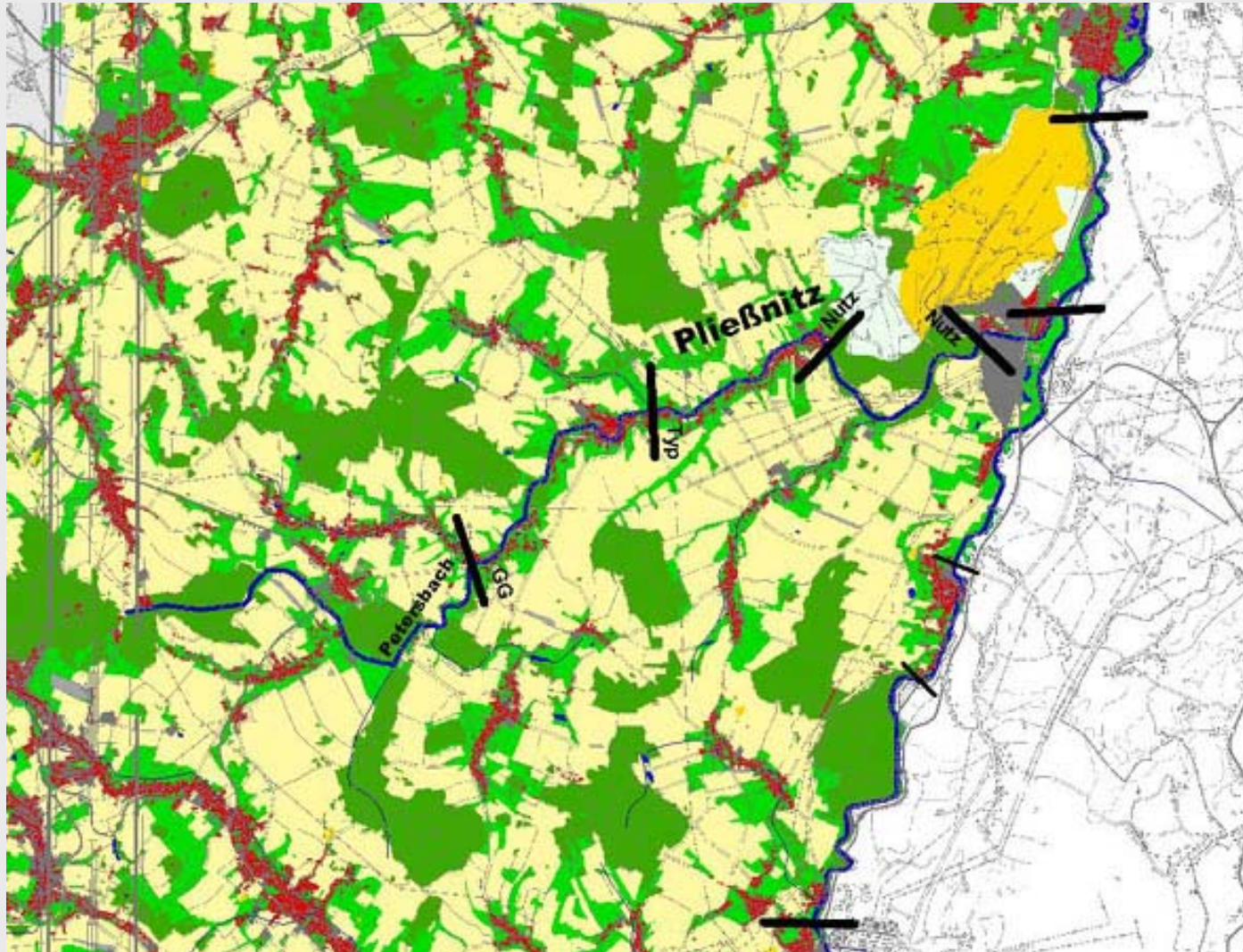


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Land Utilization

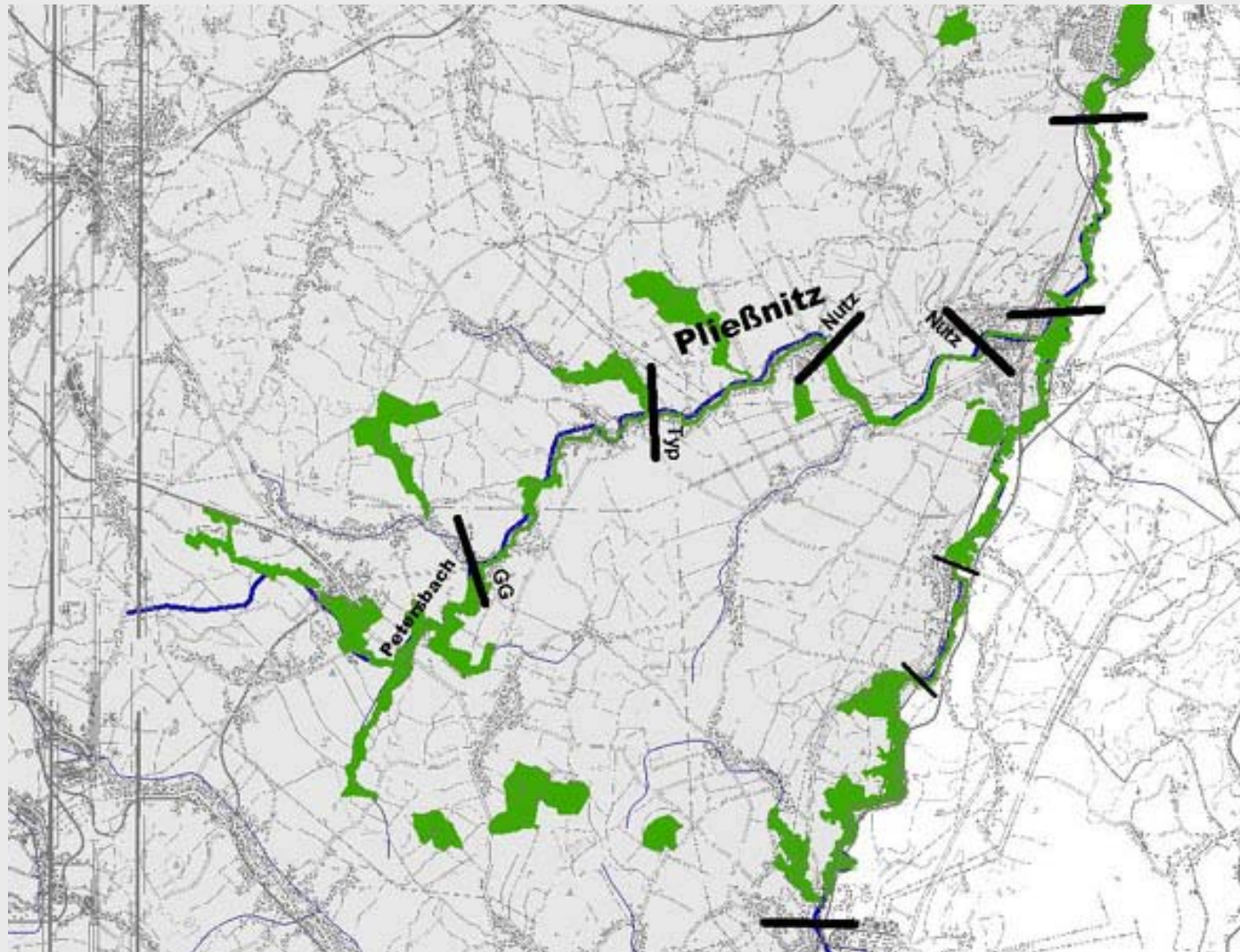


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Nature Reserves (FFH Areas)



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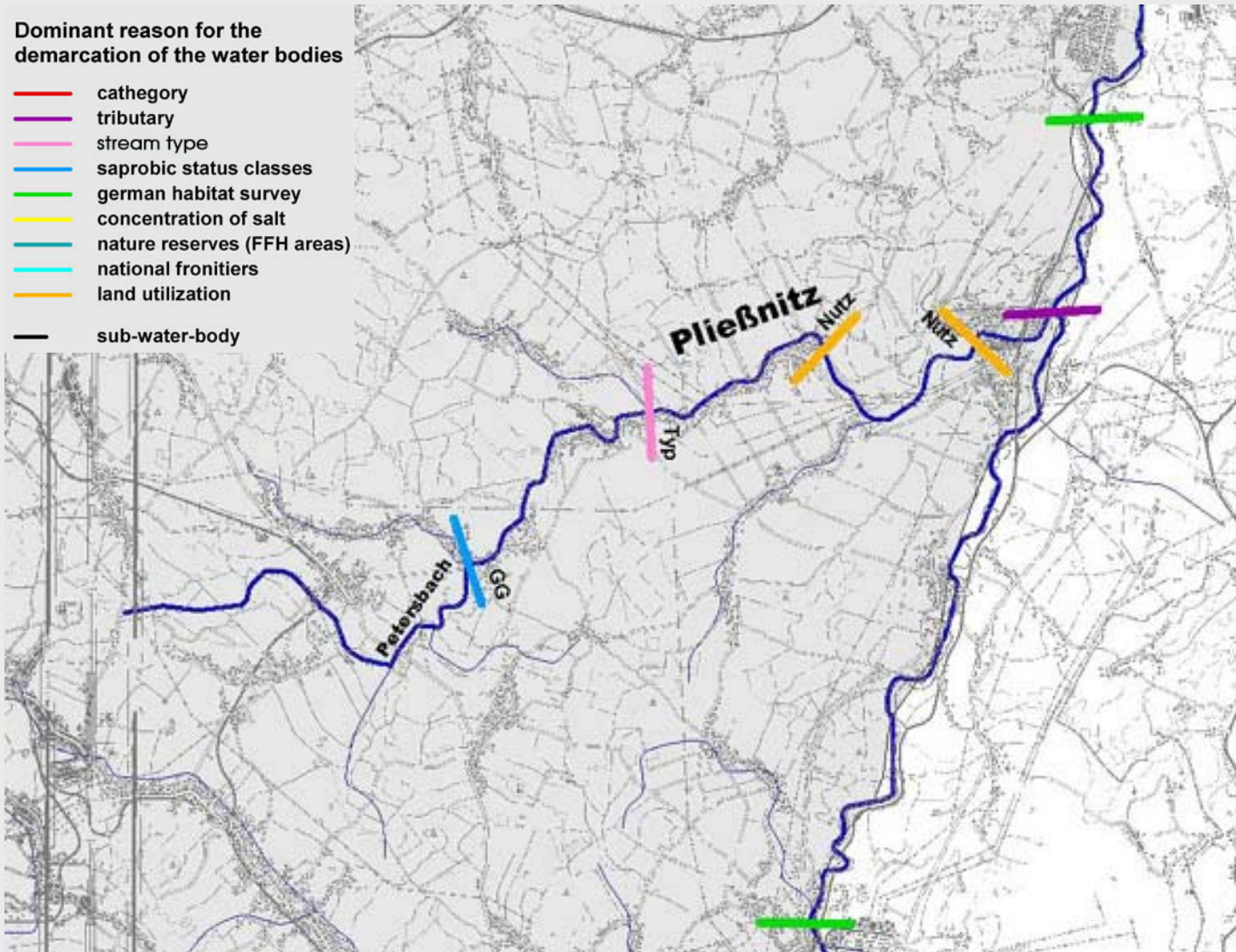


Water Bodies of the River Pießnitz



Dominant reason for the demarcation of the water bodies

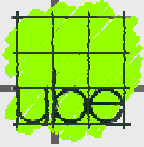
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Reasons for the Demarcation of the Water Bodies

- | | |
|---------|-------------------------------|
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Identification of Water Bodies in the Saxonian Part of the PRB Lausitzer Neiße - Part 3: Lausitzer Neiße -



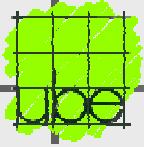
Overview



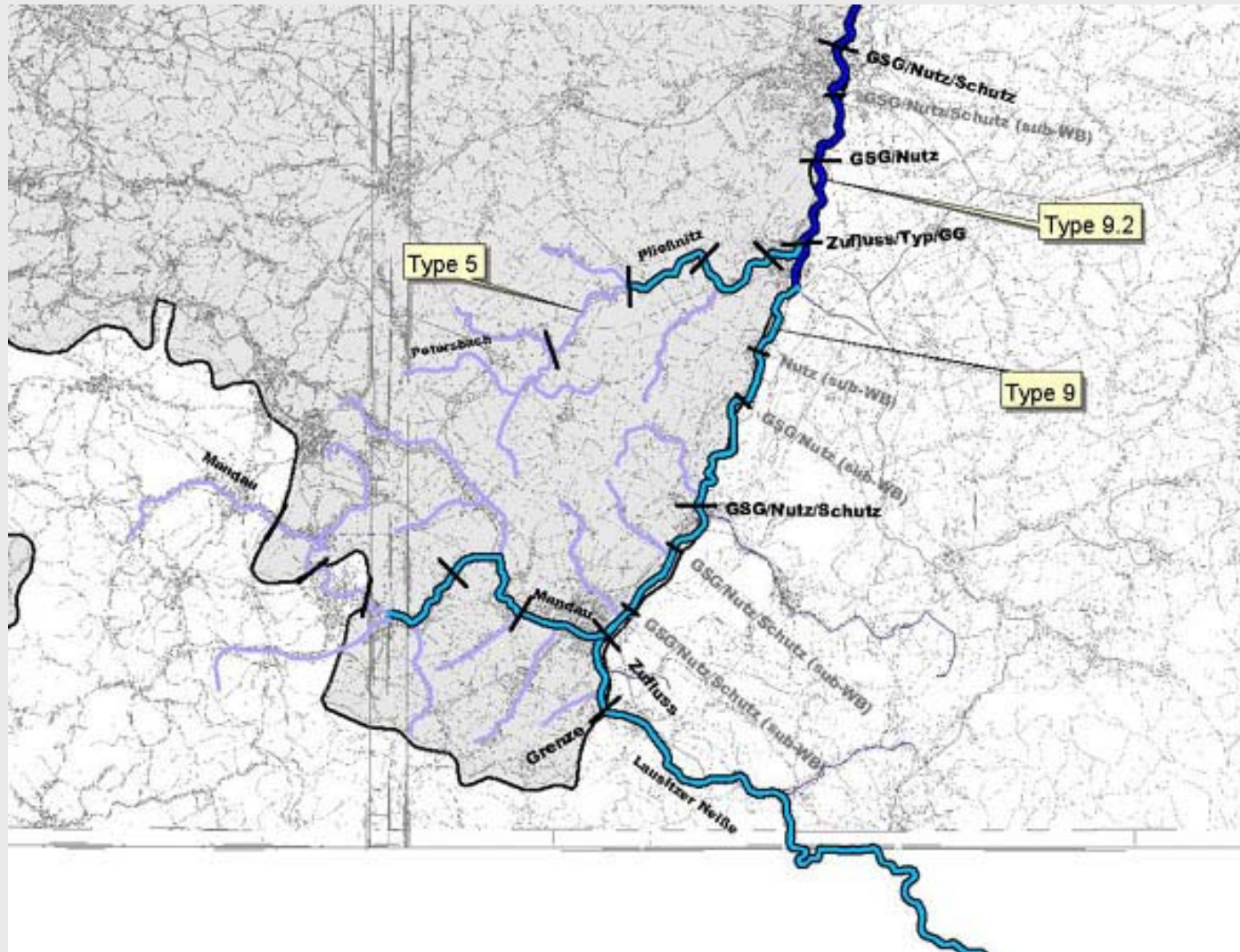
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Stream Typology According to LAWA

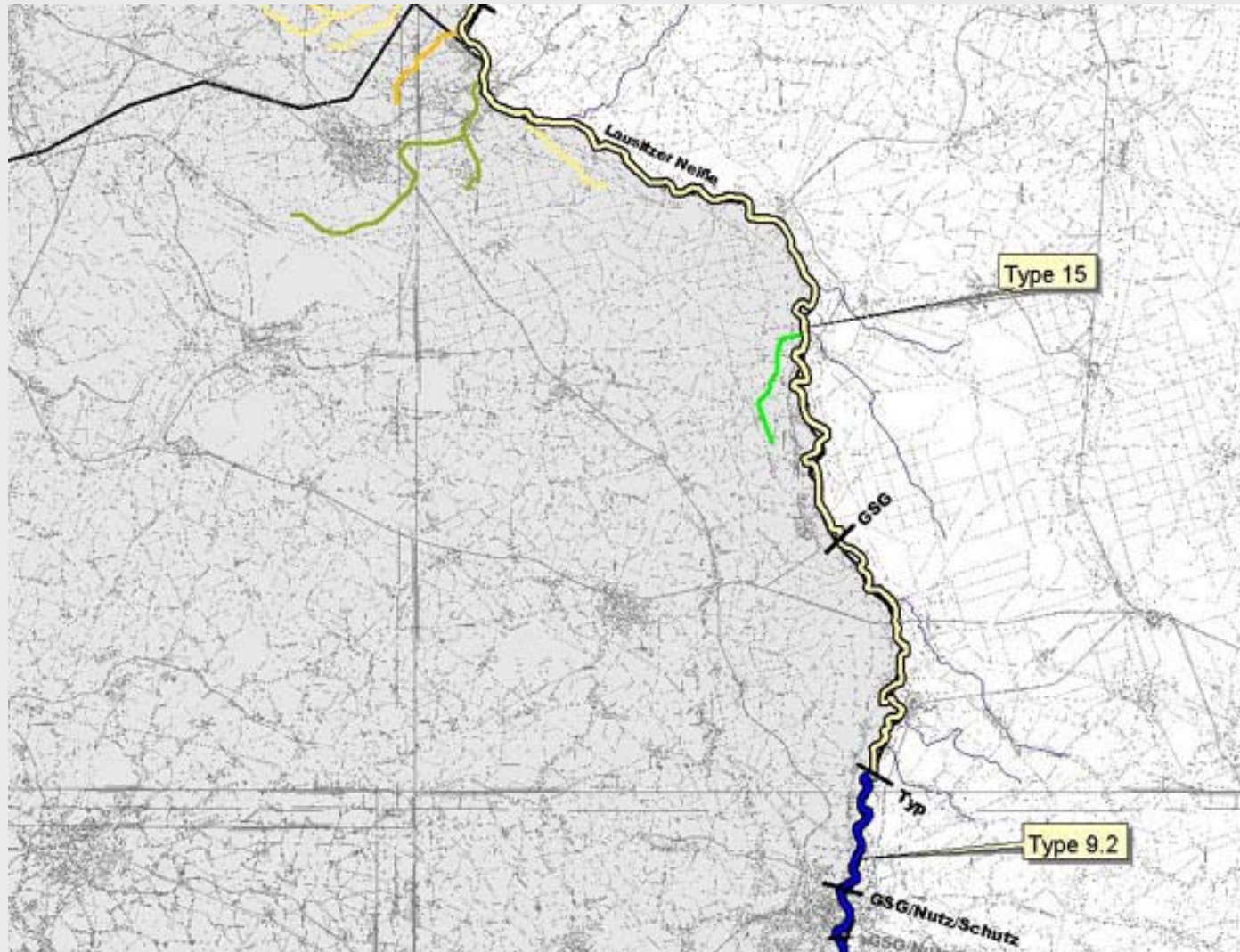


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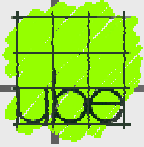


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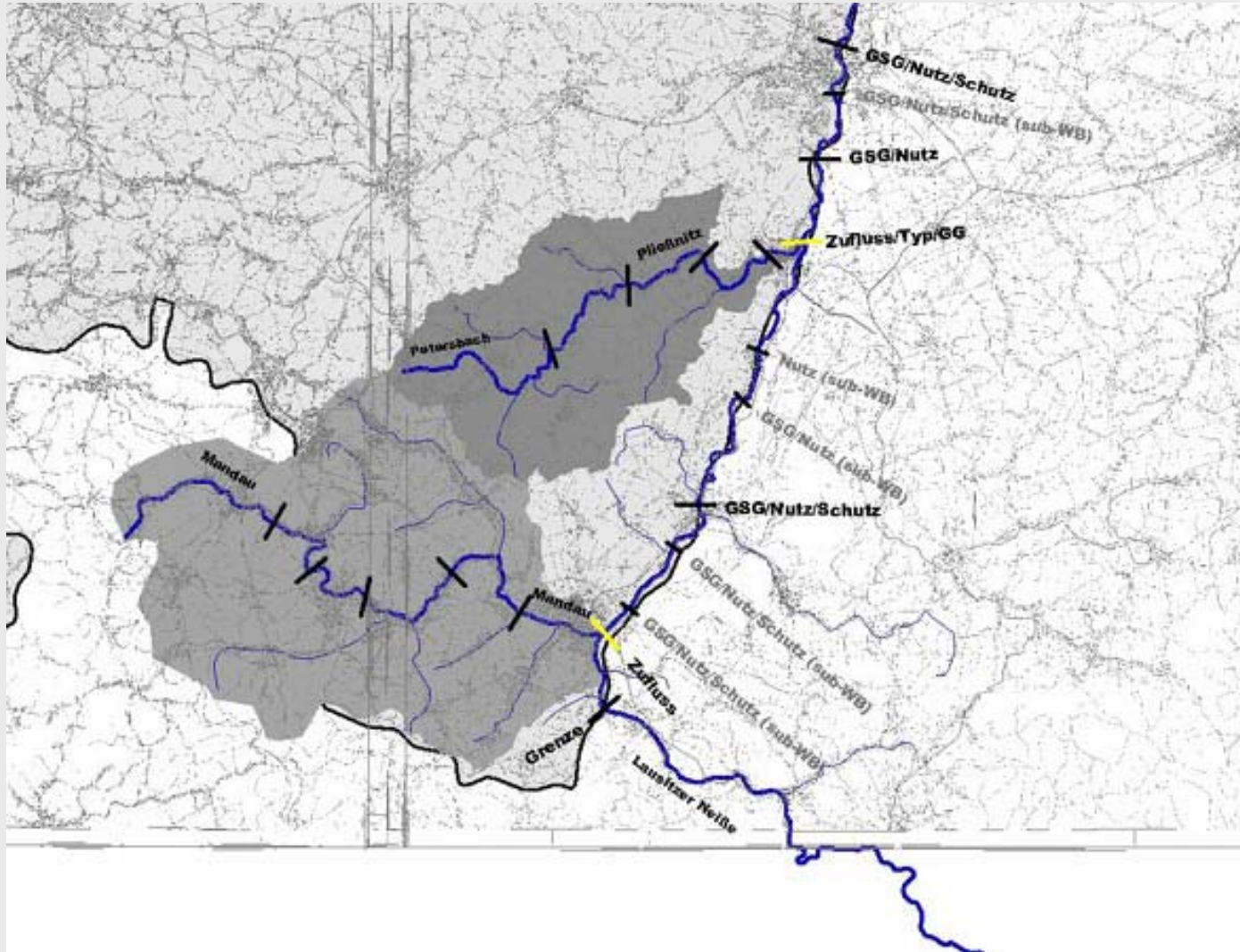


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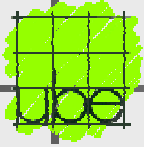


Significant Tributaries

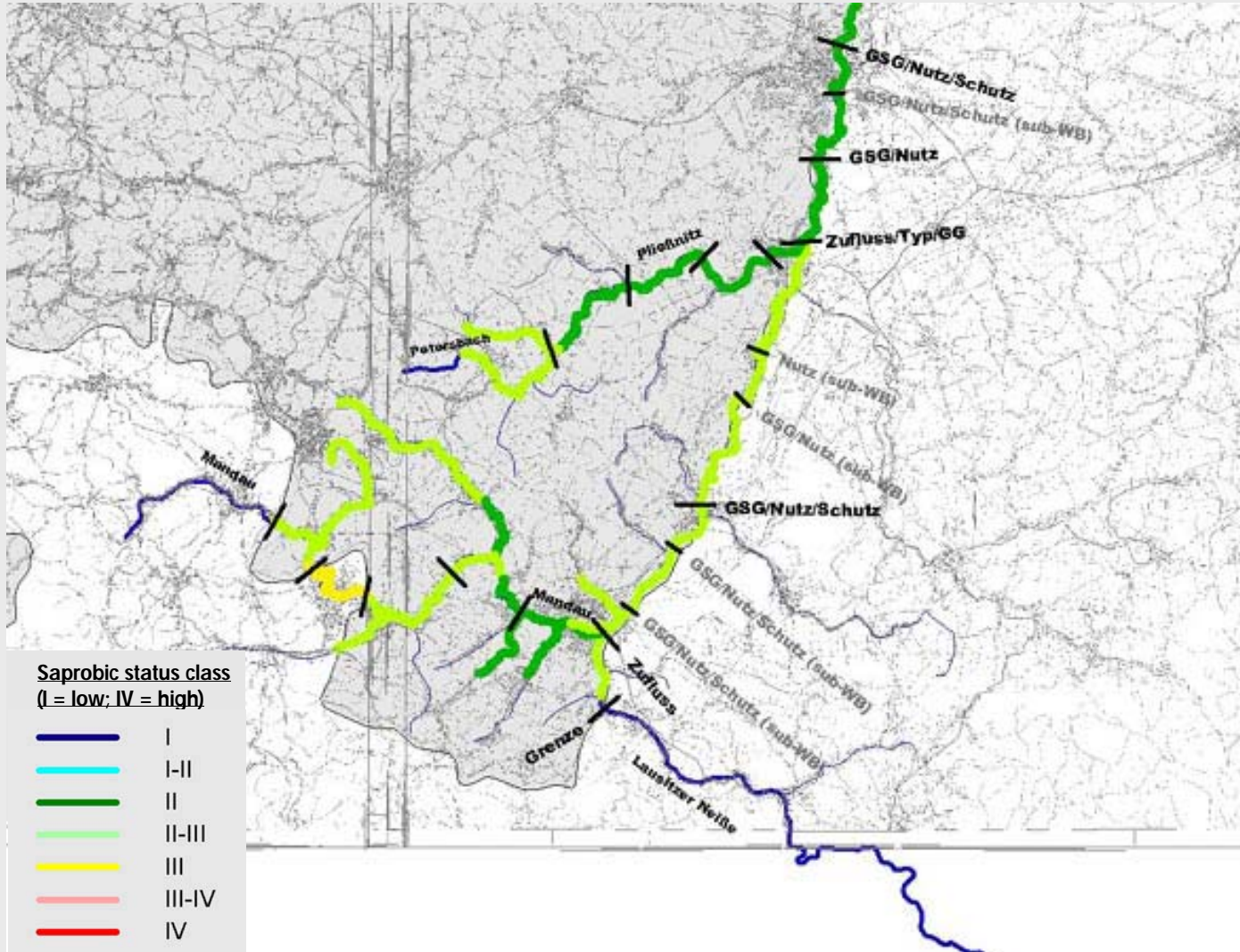


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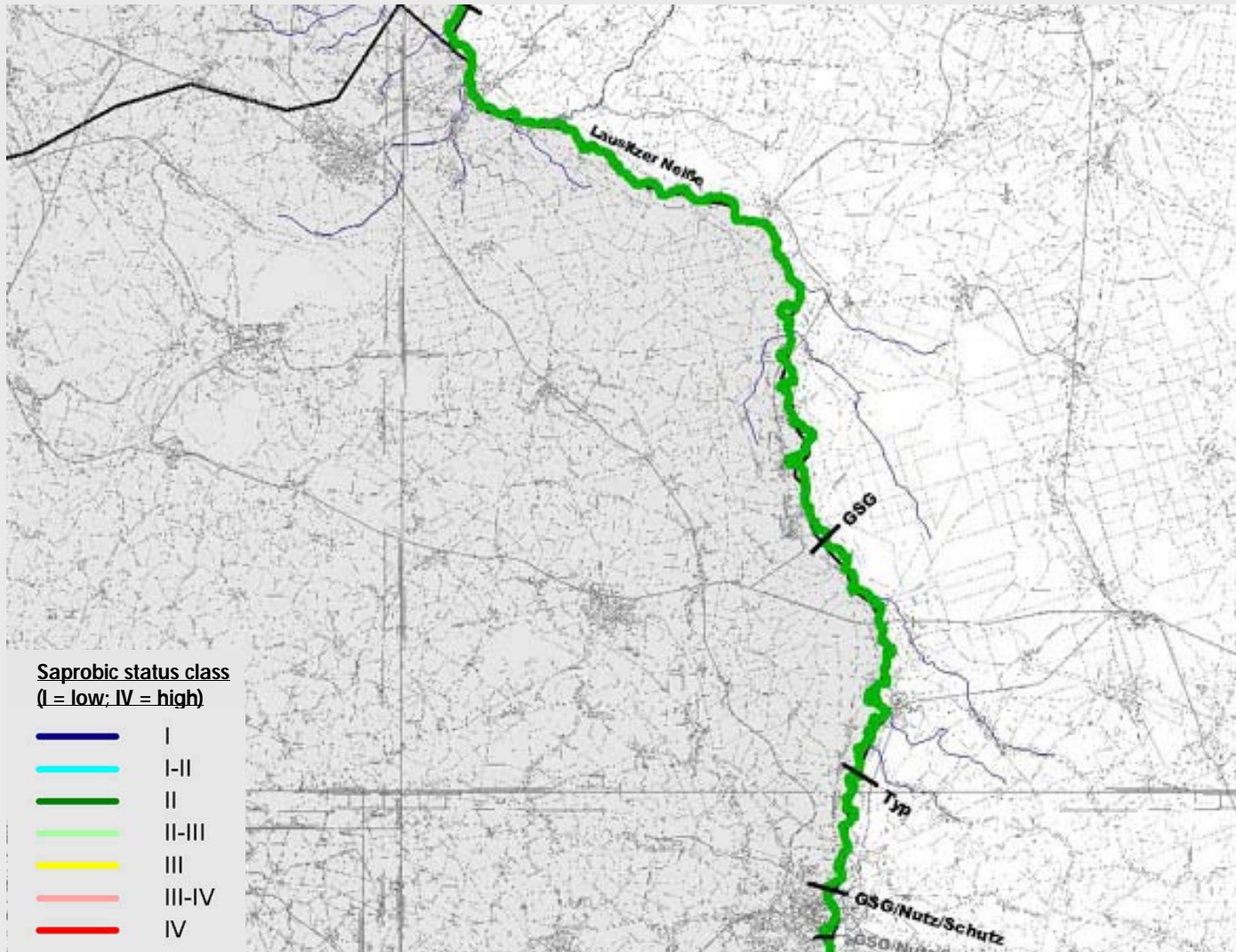


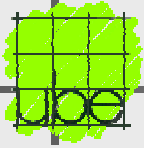
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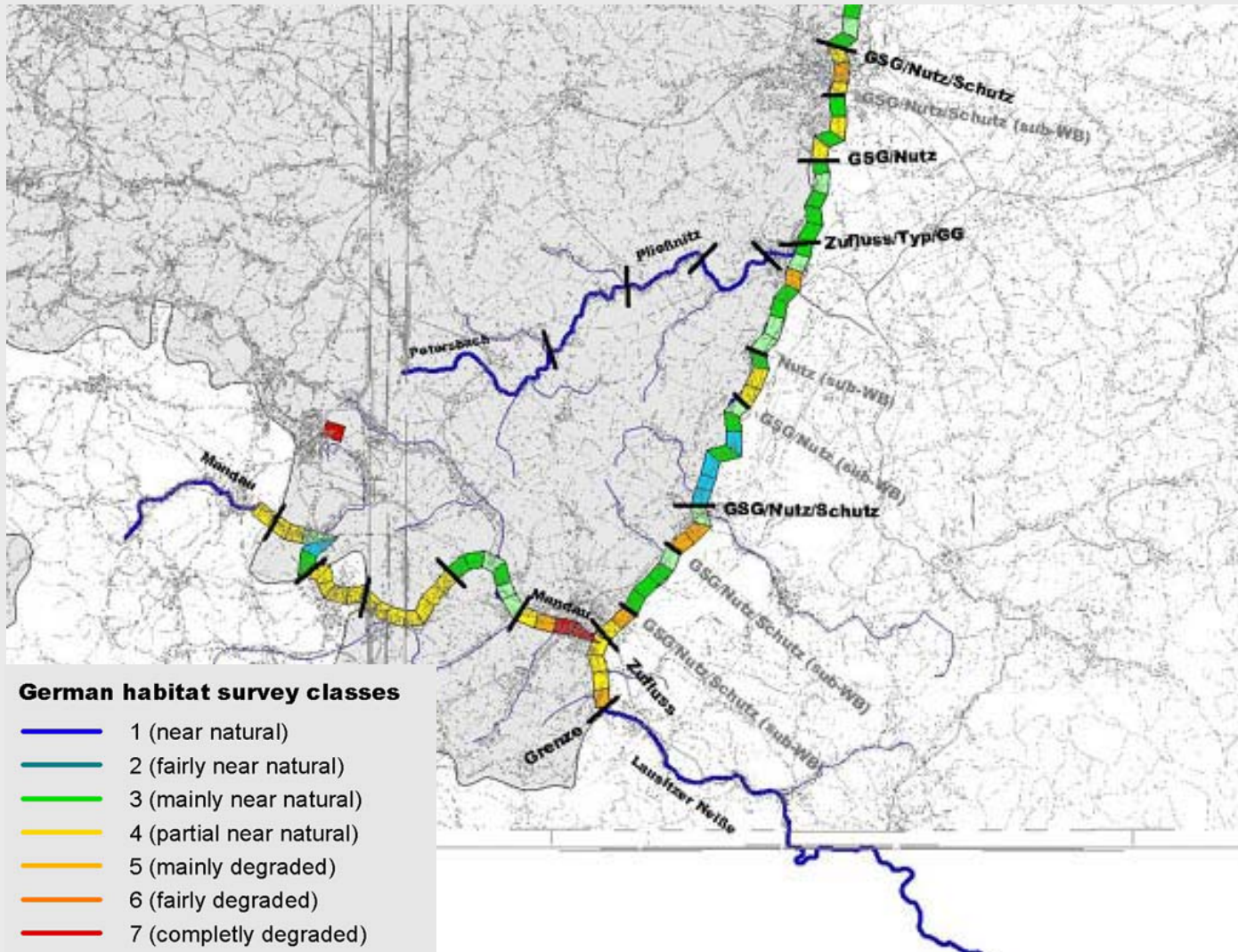


German Habitat Survey (Assessment of Stream Morphology)

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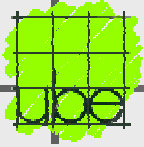


German habitat survey classes

- 1 (near natural)
- 2 (fairly near natural)
- 3 (mainly near natural)
- 4 (partial near natural)
- 5 (mainly degraded)
- 6 (fairly degraded)
- 7 (completely degraded)

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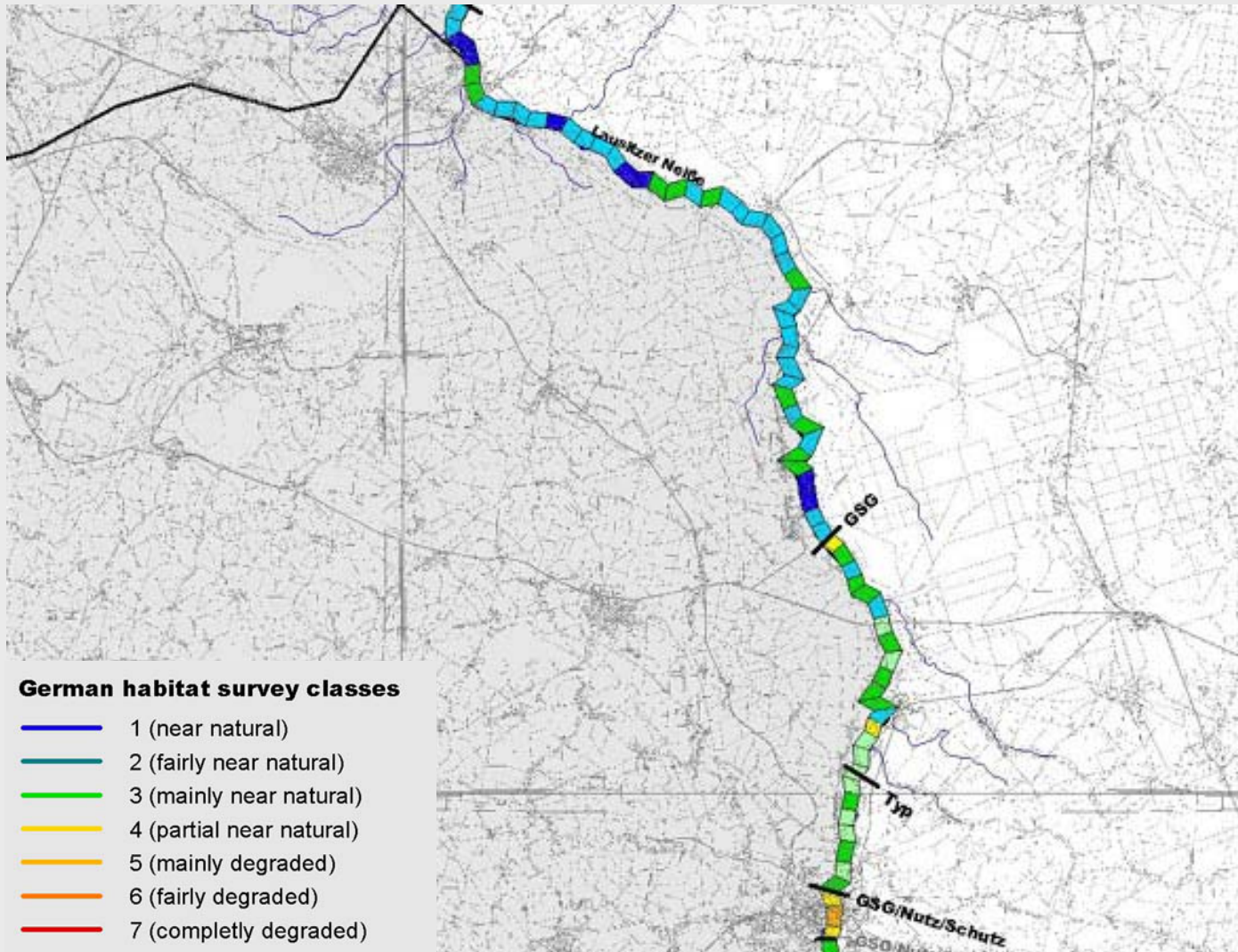


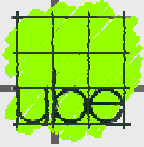
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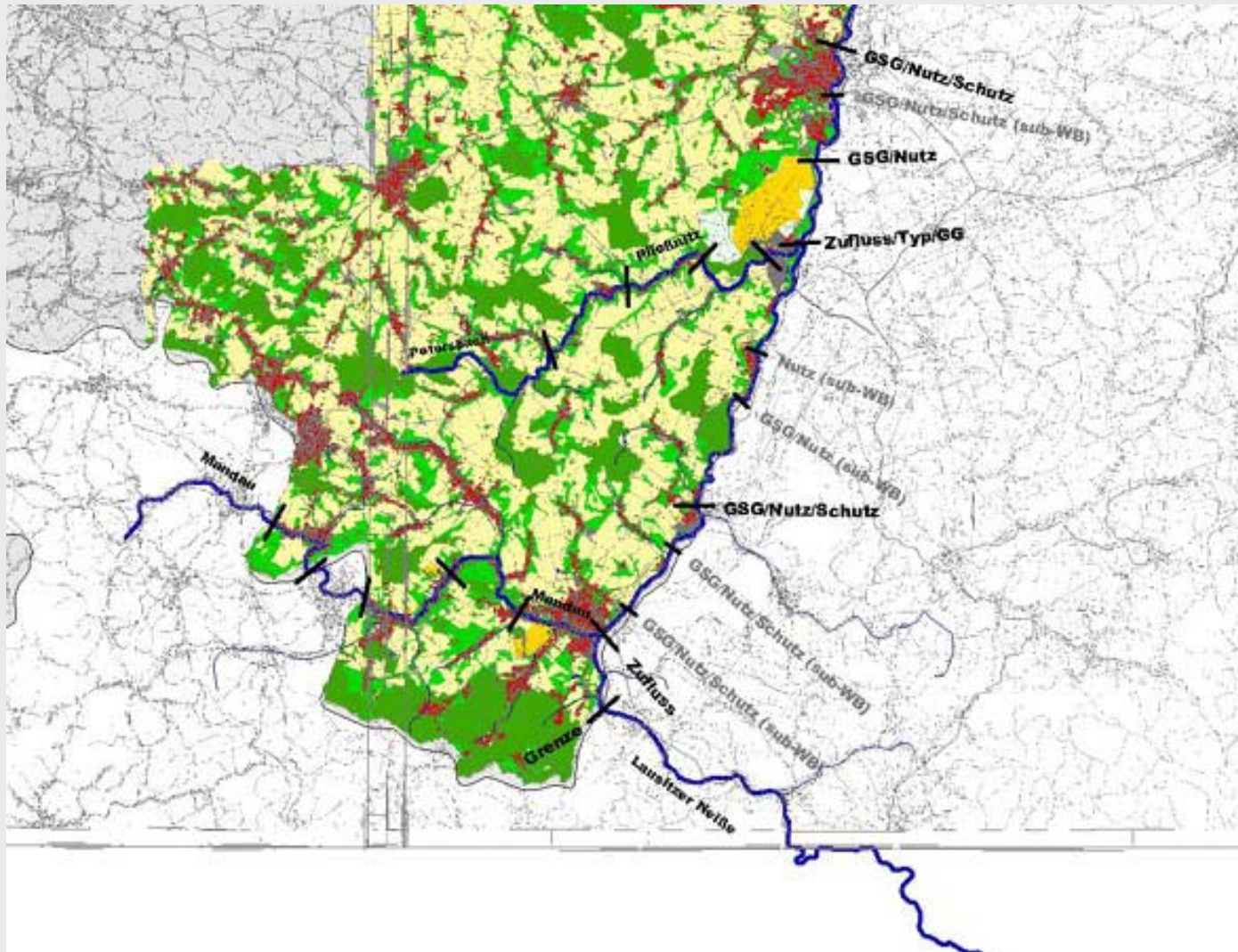


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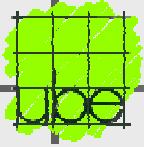


Land Utilization

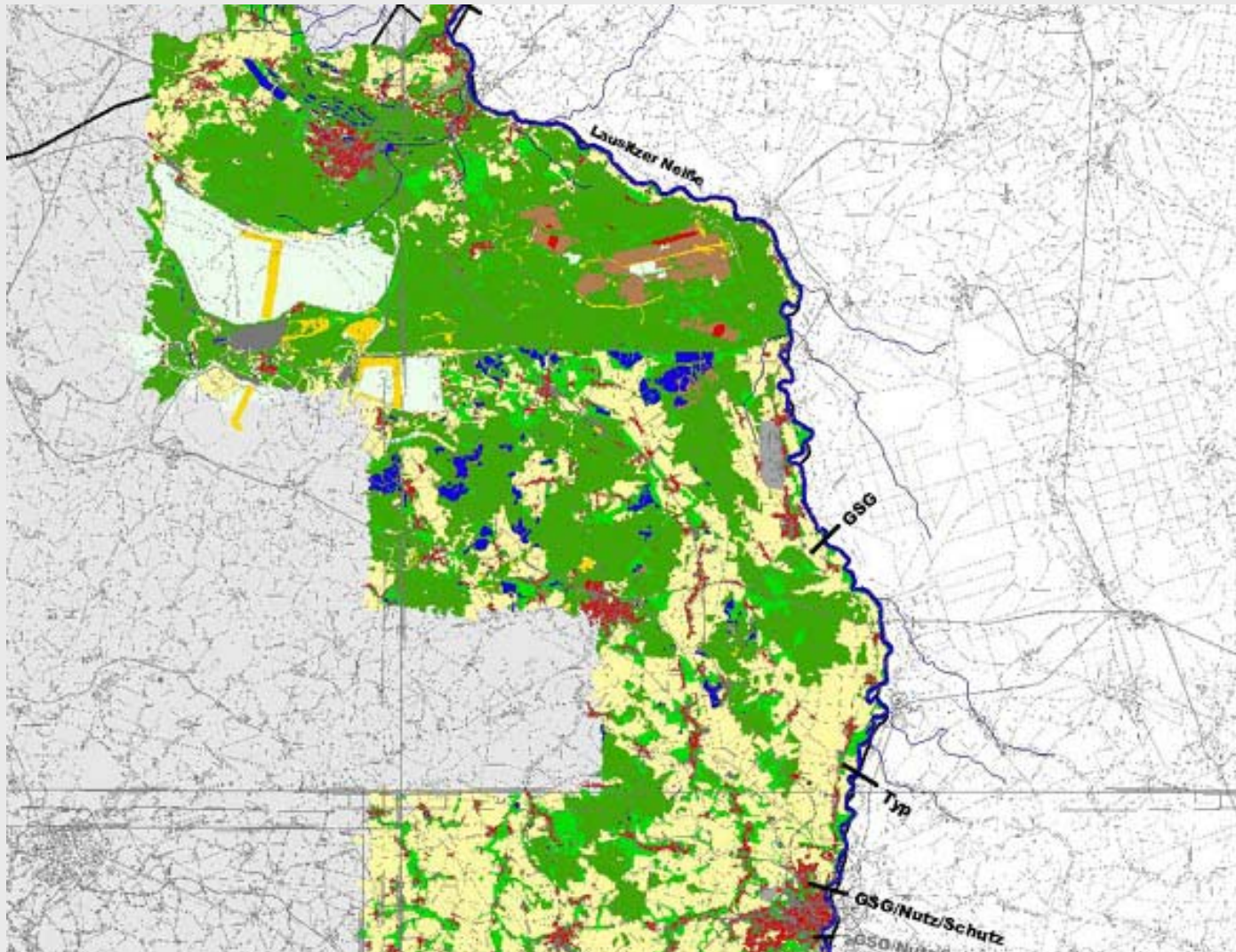


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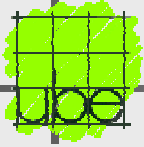


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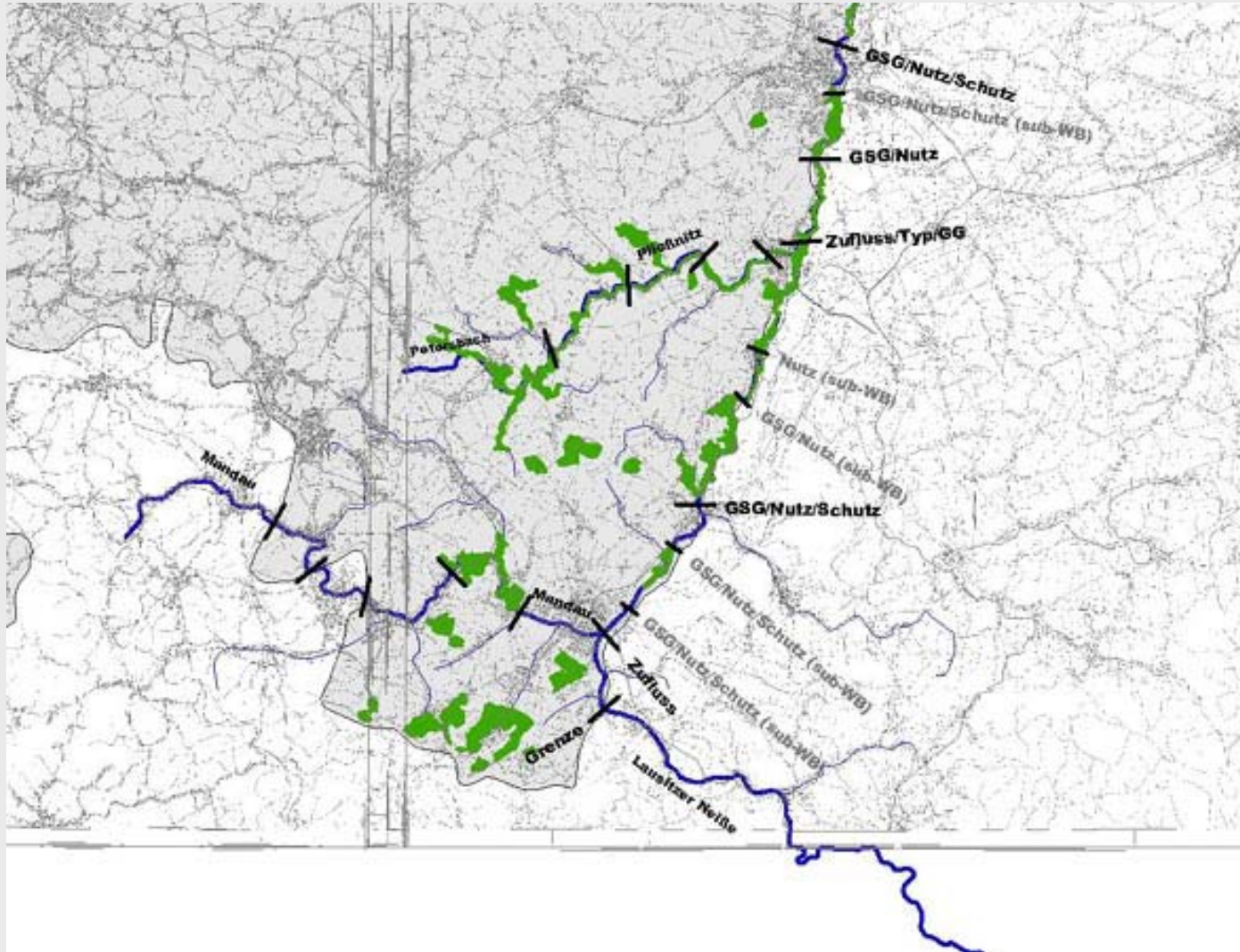


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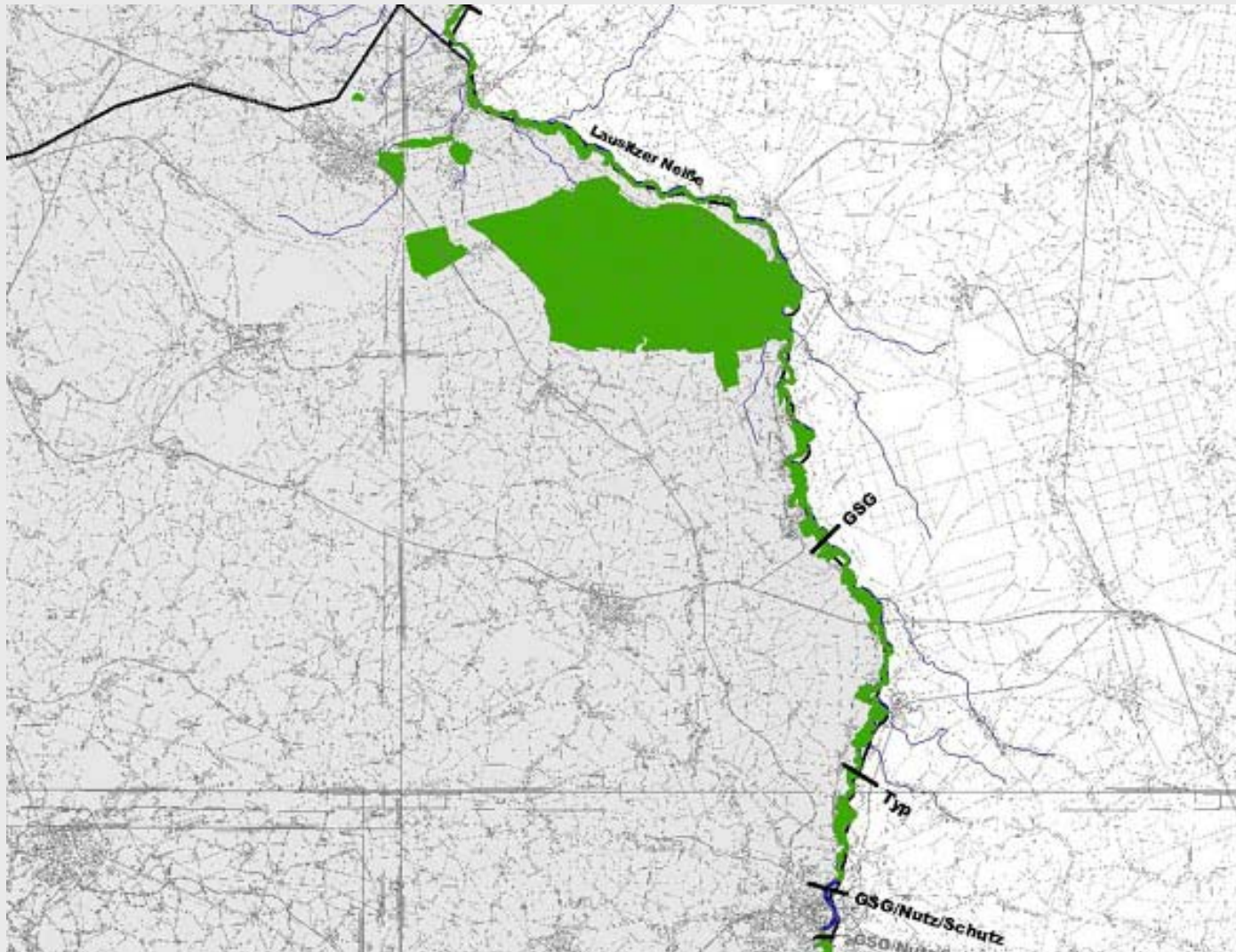


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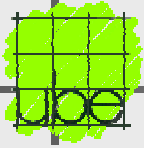


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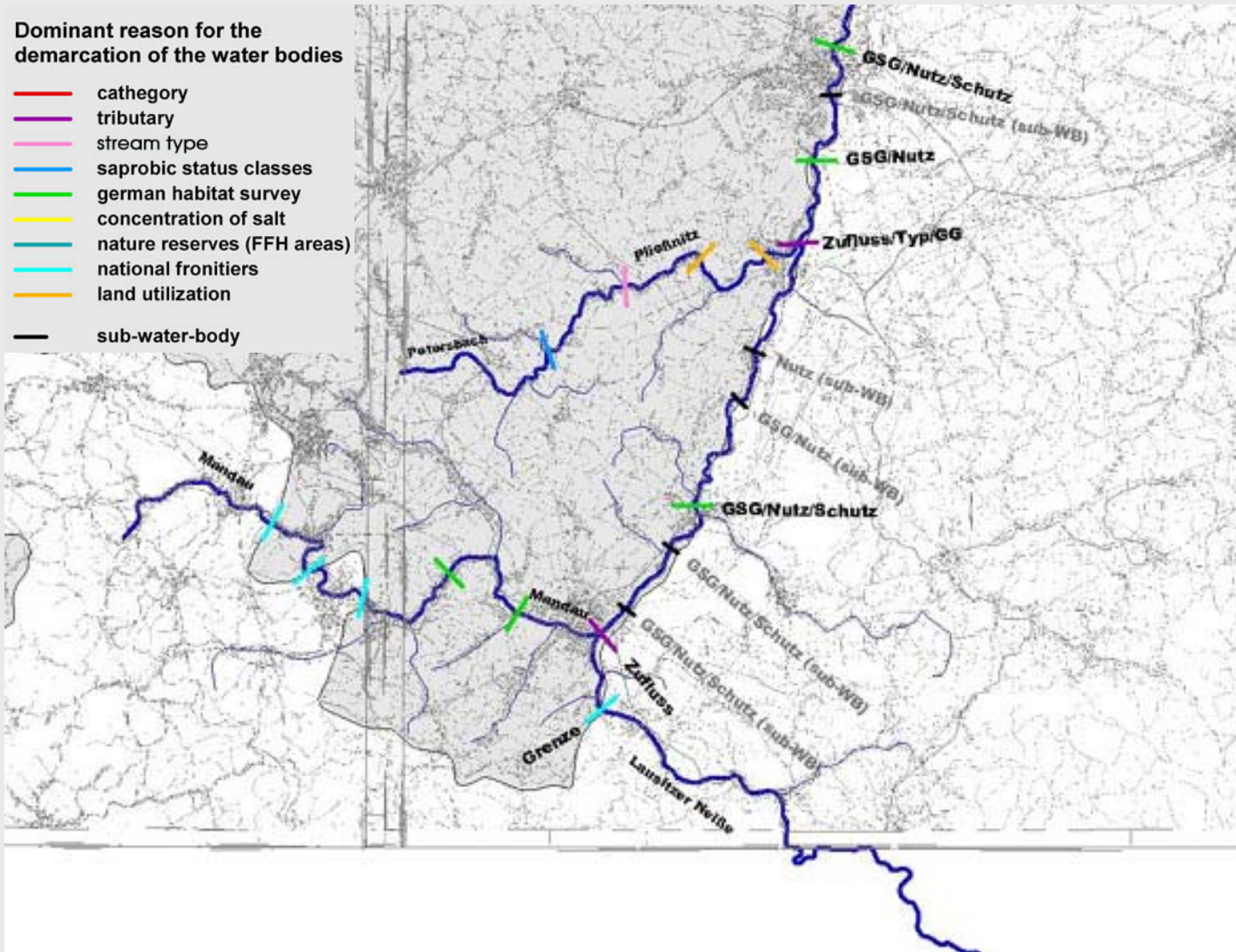


Water Bodies of the Lausitzer Neiße



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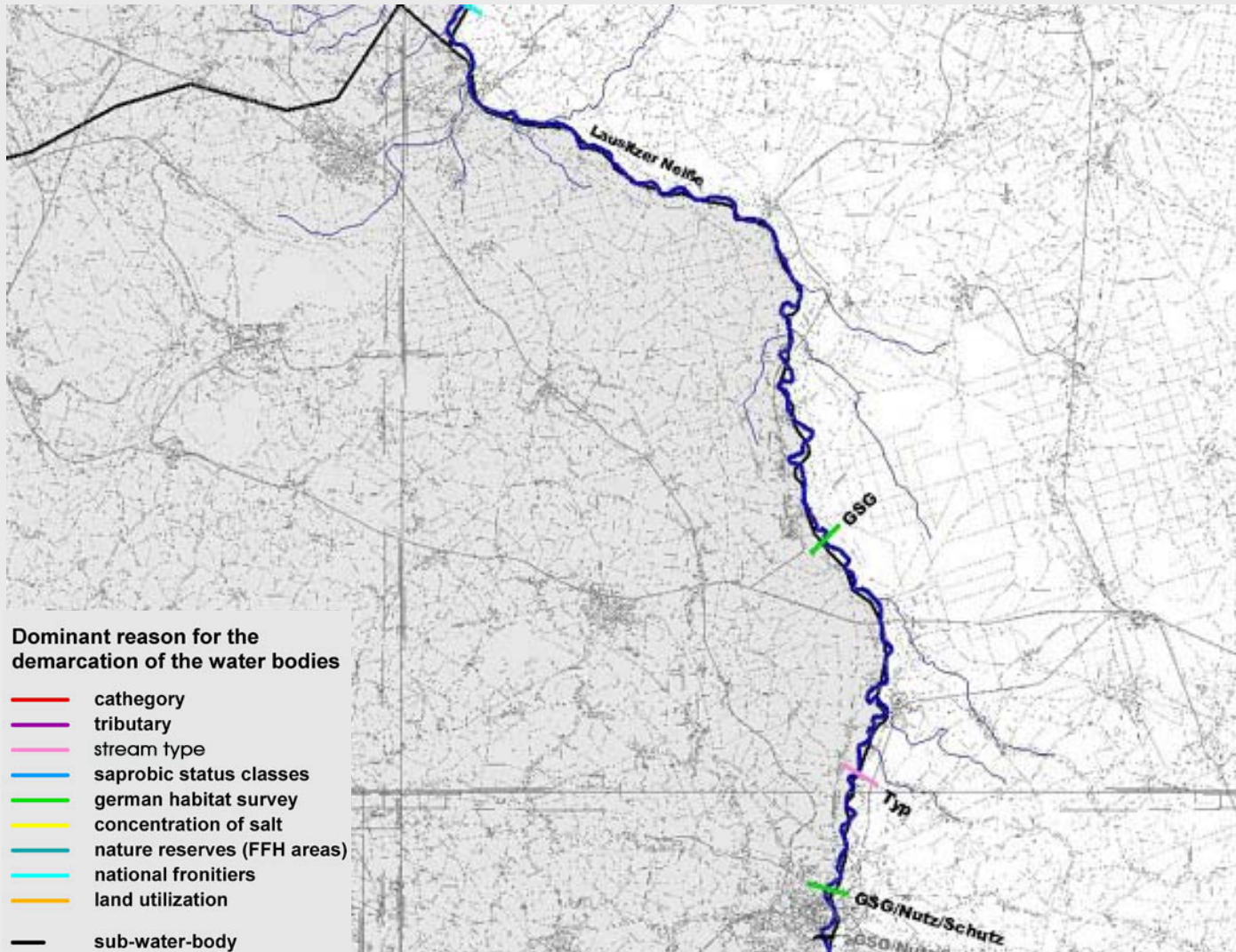


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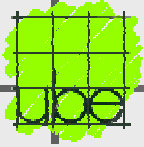
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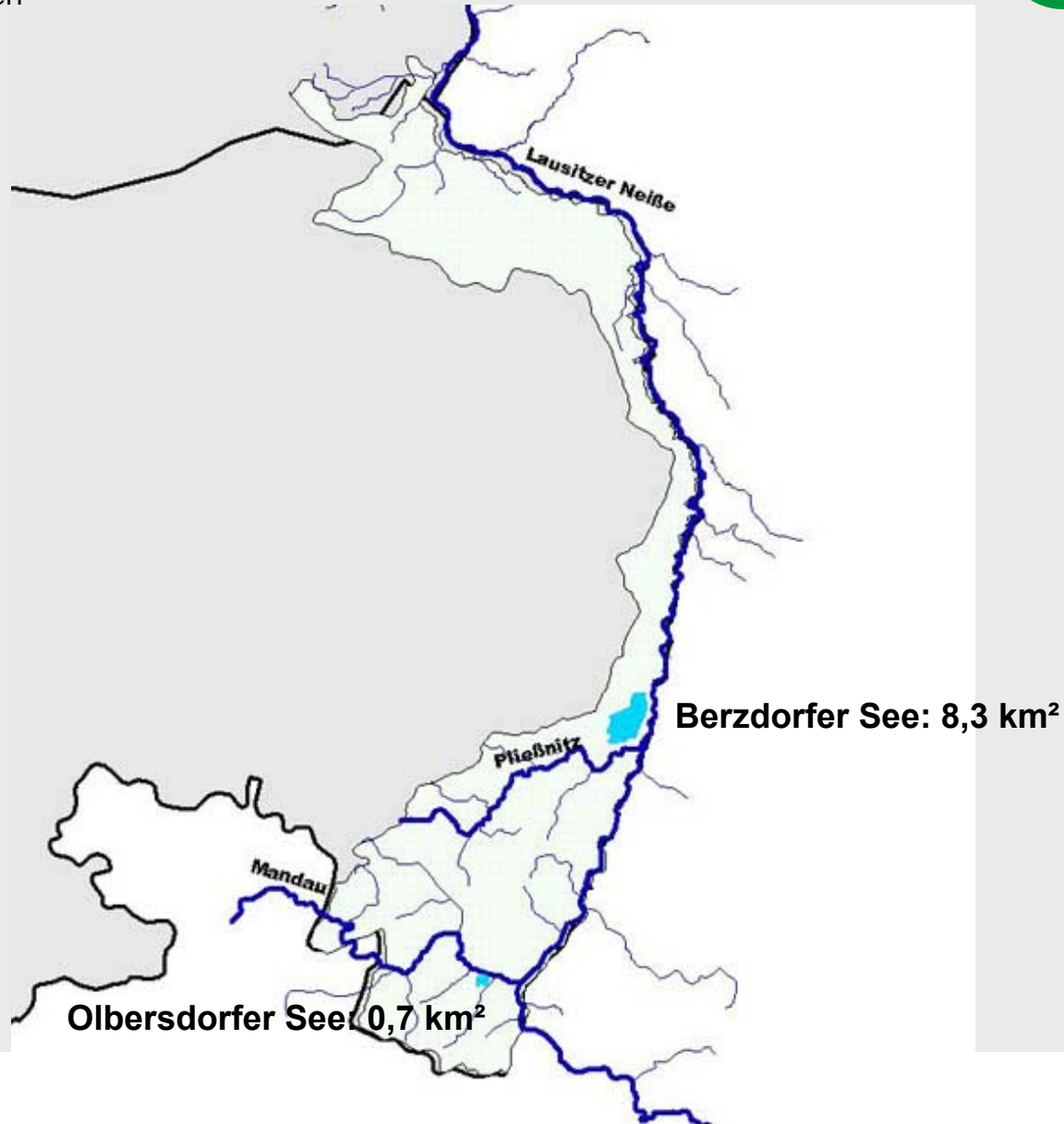


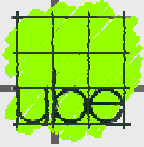
Stagnant Waters (from DLM 1000 W) In the German River Basin of the Lausitzer Neiße

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INGENIEURGESELLSCHAFT
PROF. DR. SIEKER MBH



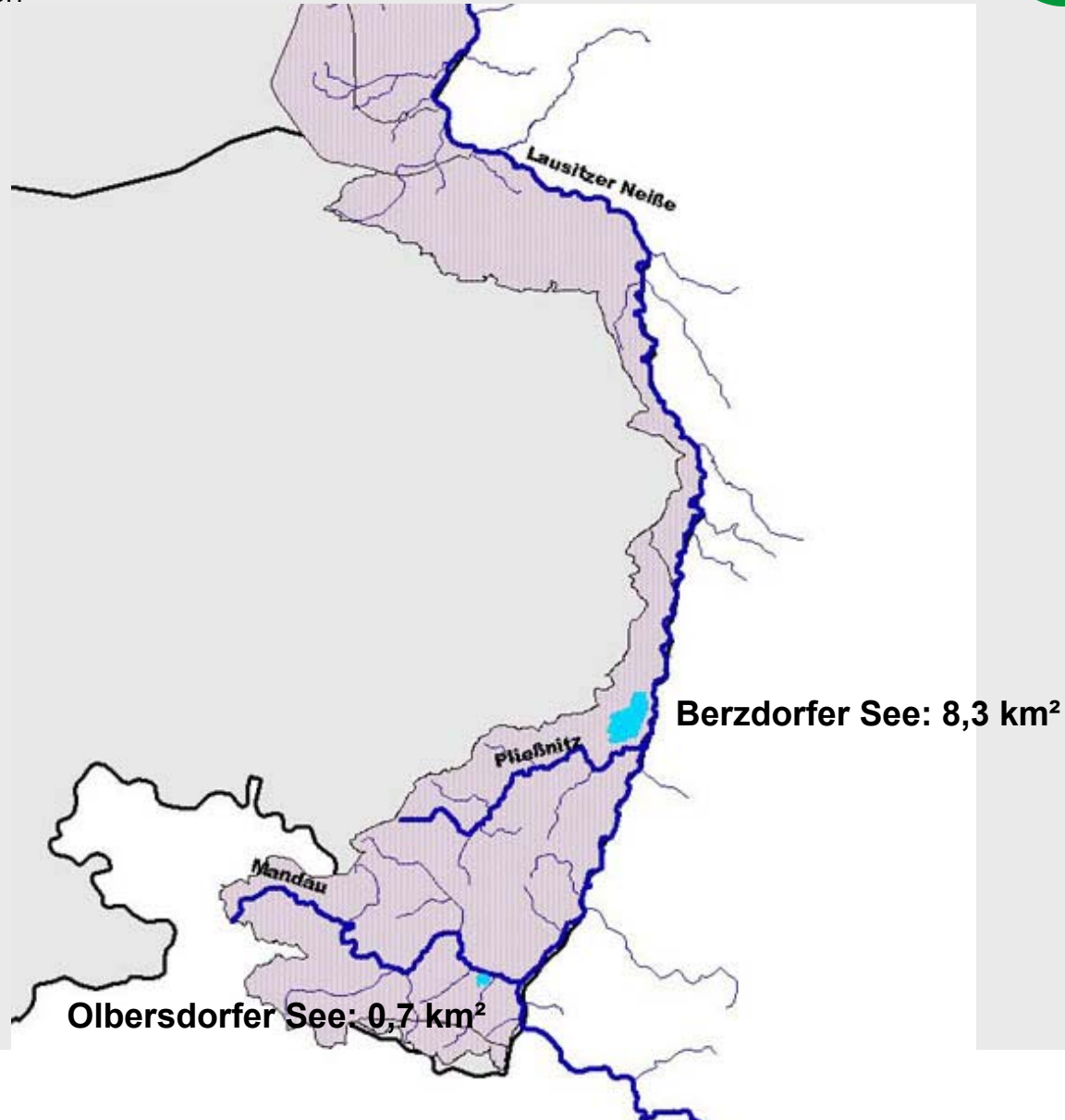


Stagnant Waters and Ground Water Bodies in the German River Basin of the Lausitzer Neiße

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Stagnant Waters with Ground Water Bodies in the German River Basin of the Lausitzer Neiße (yellow area)

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