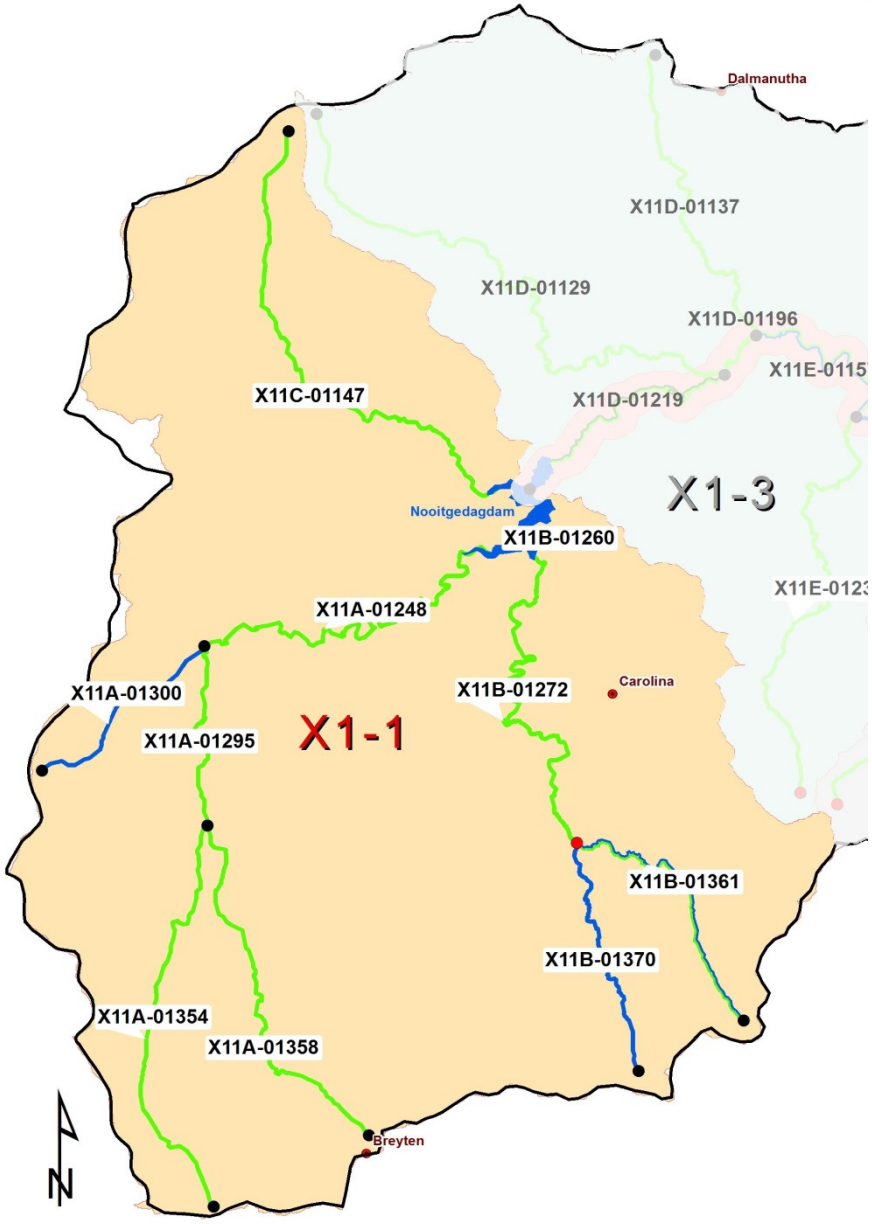
INTEGRATED UNITS OF ANALYSIS AND CATCHMENT CONFIGURATION

IUA CATCHMENT CONFIGURATION



- IUA represents a catchment or a linear stretch of river.
- Nested in an IUA are (Management) Resource Units (linear stretch of river). IUA can therefore = RU
- Each RU represented by a biophysical node – a point for which an Ecological Category is set and EWRs estimated if required

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CATCHMENT CONFIGURATION OF AN IUA

- **IUA**: Homogenous area that can be managed as an entity.

- **RESOURCE UNITS:** RUs require different EWRS (due to different flow patterns, reaction of habitat and biota to stress, management and operational structures).

  Natural RUs: Based on mostly EcoRegions and used for providing context for biophysical assessments.

  Management RUs key in terms of operation of the system. MRUs are linear sections of river for which a Reserve will be set.

- **BIOPHYSICAL NODES:** A point in the river which can be a survey site or a hypothetical point ('site'). Survey sites are EWR sites or KEY BIOPHYSICAL NODES. Hypothetical points are DESKTOP BIOPHYSICAL NODES.

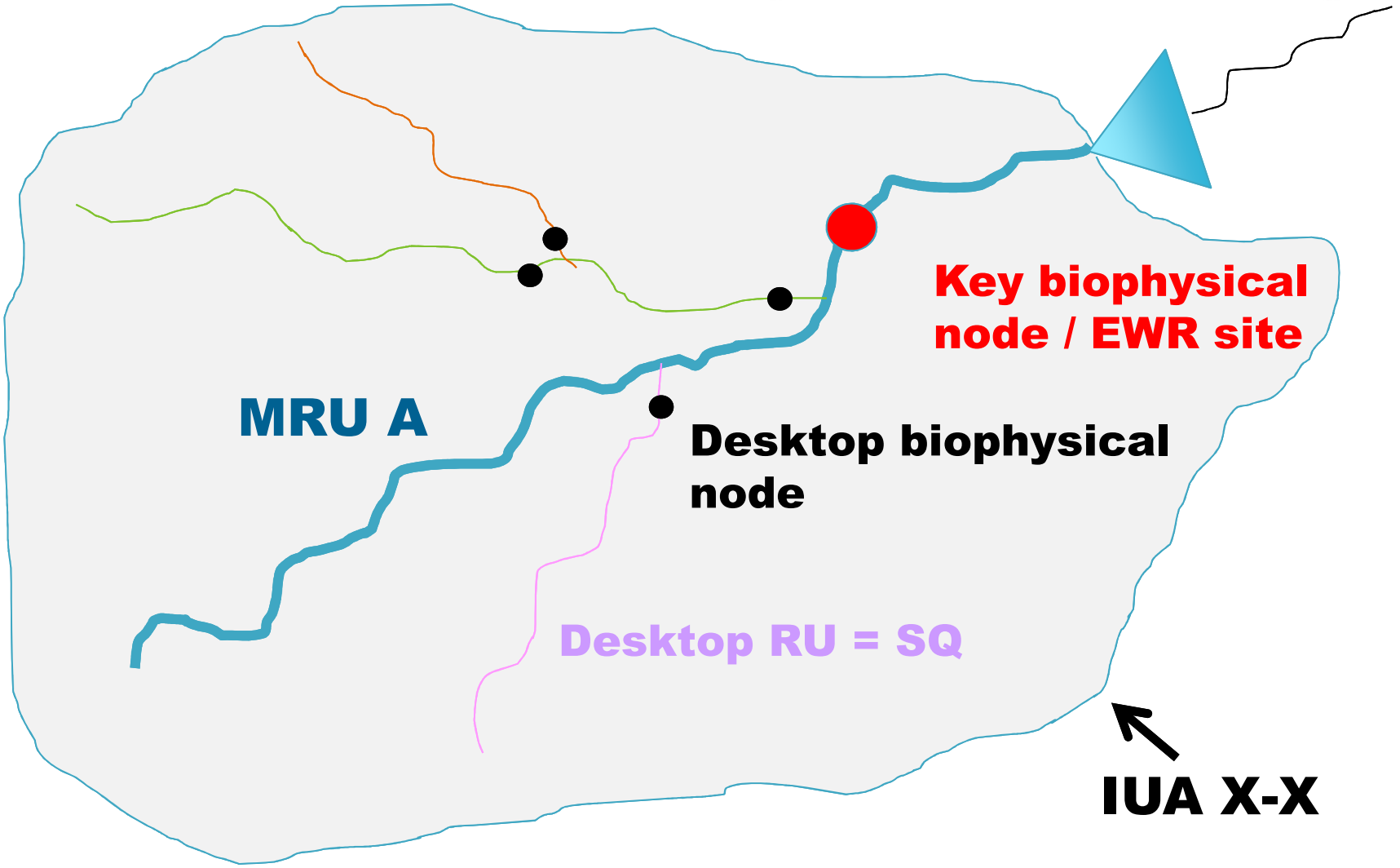
IUA CATCHMENT CONFIGURATION

- **Desktop RUs** – Sub Quaternary reaches (SQ) based on hydrological inflows - act as surrogate RUs.
  Represented by **DESKTOP BIOPHYSICAL NODES**

- **Detailed MRUs** – Assessed considering operation of the system, ecological state, geomorphic zones, land use etc.
  Represented by **KEY BIOPHYSICAL NODES**

NODES, RUS, IUAS – REPRESENT A CATCHMENT CONFIGURATION WHICH WILL DEFINE OR UNPACK THE MANAGEMENT CLASS FOR A SPECIFIC IUA

IUA CATCHMENT CONFIGURATION



AVAILABLE INFORMATION

- **Desktop RUs:** For the whole country – provided by DWA
- Desktop Biophysical Nodes: By default also available for the whole country.
- Detailed RUs (MRUs): Available for key rivers (hotspots) as part of Reserve studies for X1, X2, X3.
- EWR sites (Key Biophysical Nodes) and EWRs (20)
- EWR estimates for all other biophysical nodes will be undertaken as part of this study.