Economic Assessment

- Consists of the Status Quo in the Inkomati Catchment
- Large Water Users include:
 - Irrigation Agriculture
 - Commercial Forestry
 - Saw Mills
 - Mining
 - Paper Mills
 - Sugar Mills
 - Industrial Users
- The Economic Value of Water has to be determined



Economic Baseline

- The economic baseline provides the current impacts of water users in the respective sub-systems
- These impacts are calculated on variables such as:
 - Gross Domestic Product (GDP)/Gross Value Added (GVA)
 - Business Output (Production)
 - Employment
 - Household Income
- These impacts are modelled using a Macro-Economic Impact Model
- The model used for this project is a Social Accounting Matrix (SAM)

Social Accounting Matrix (SAM)

- A Social Accounting Matrix (SAM) represents flows of all economic transactions that take place within an economy (regional or national)
- SAMs refer to a single year providing a static picture of the economy
- The Water Impact Model includes a number of primary elements, these include: **Social Accounting Matrix (SAM)**
 - Economic Data
 - Water usage information
 - Production
 - Economic Multipliers



Types of Impacts

- **Direct impact**: refers to effects occurring directly in the sector.
- Indirect impact: refer to those effects occurring in the different economic sectors that link backward to the sector in question due to the supply of intermediate inputs
- Induced impact: refers to the chain reaction triggered by the salaries and profits that are ploughed back into the economy in the form of private consumption expenditure
- Water Quality: Acid mine drainage will impose a future cost on the catchment and must be taken into consideration.

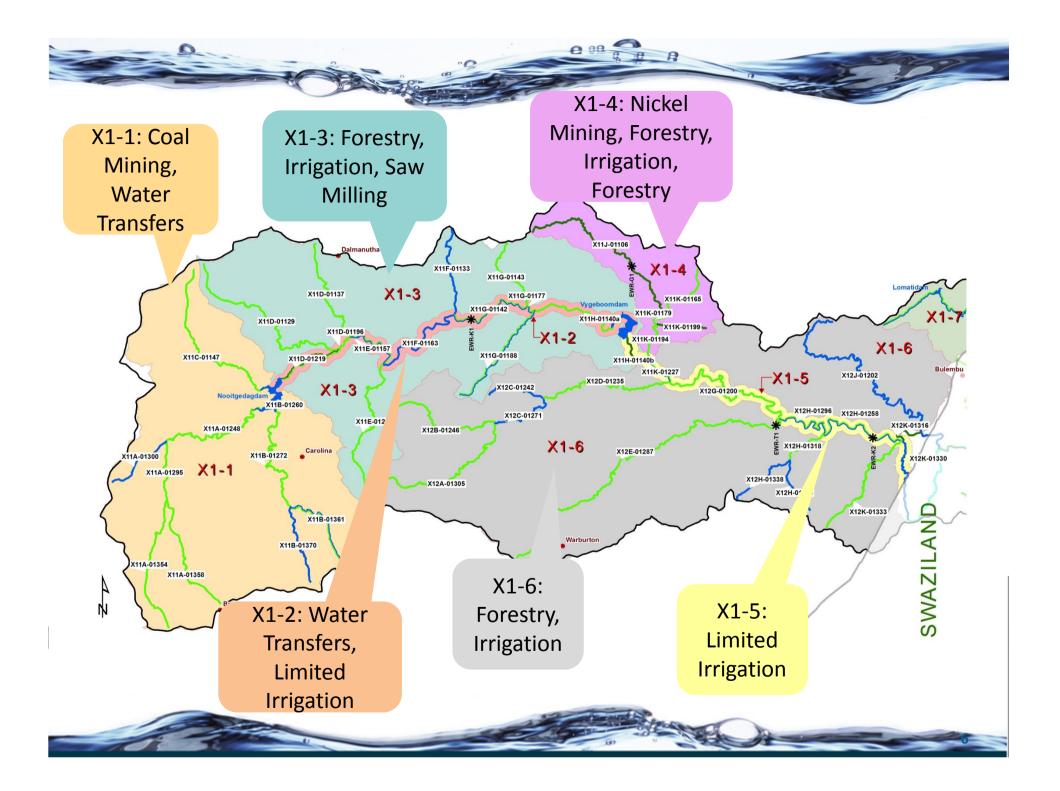


Main Economic Activities

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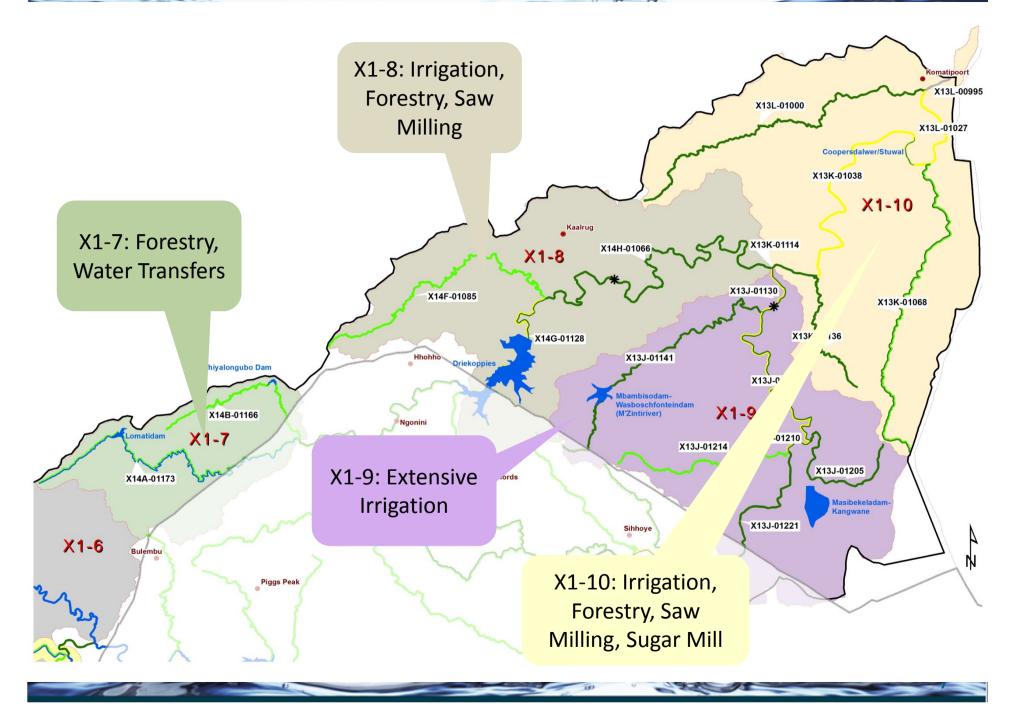
Komati	Crocodile	Sabie
Irrigation Crops	Irrigation Crops	Irrigation Crops
Commercial Forestry	Commercial Forestry	Commercial Forestry
Coal Mining	Tourism	Saw Milling
Nickel Mine	Gold Mining	Tourism
Saw Milling	Manganese Mining	
Sugar Mill	Saw Milling	
Tourism	Paper Milling	
	Sugar Mill	
	Industrial	
	Tourism	

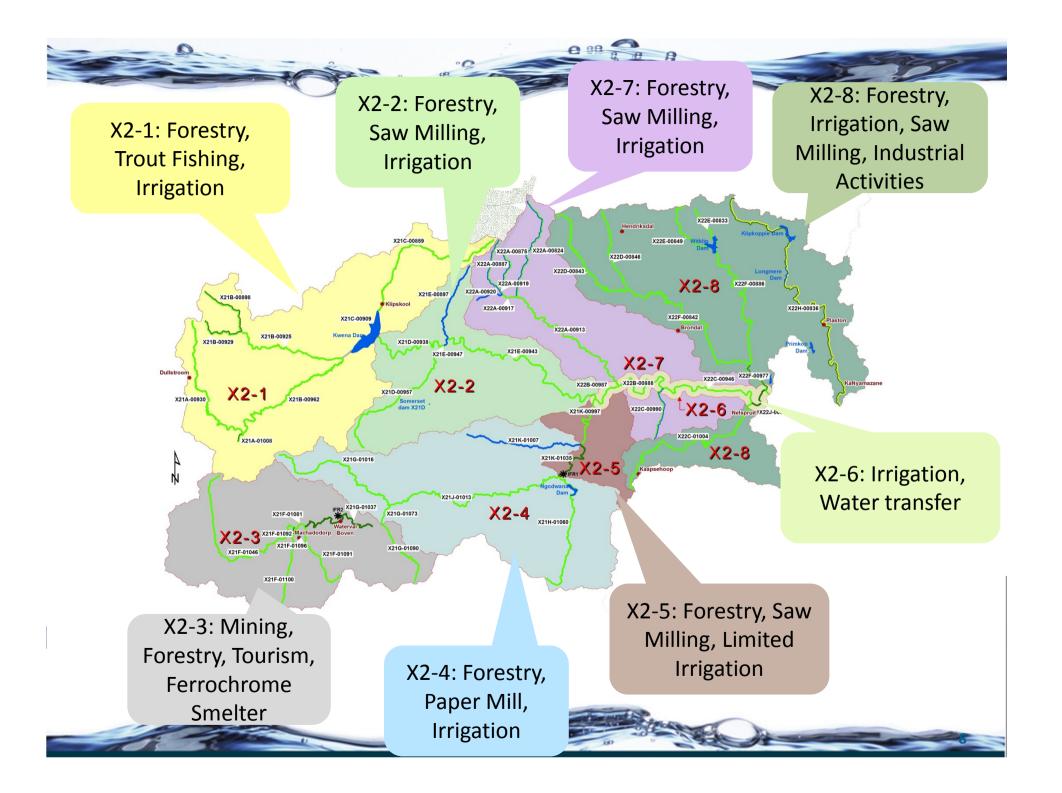


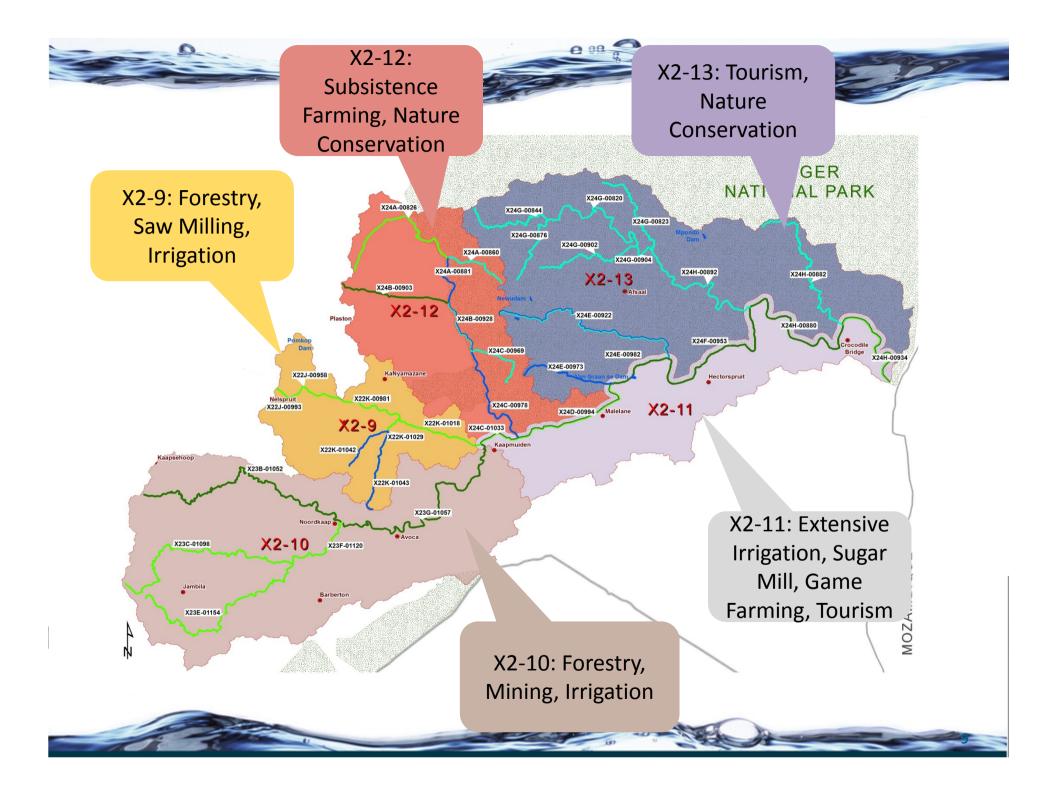


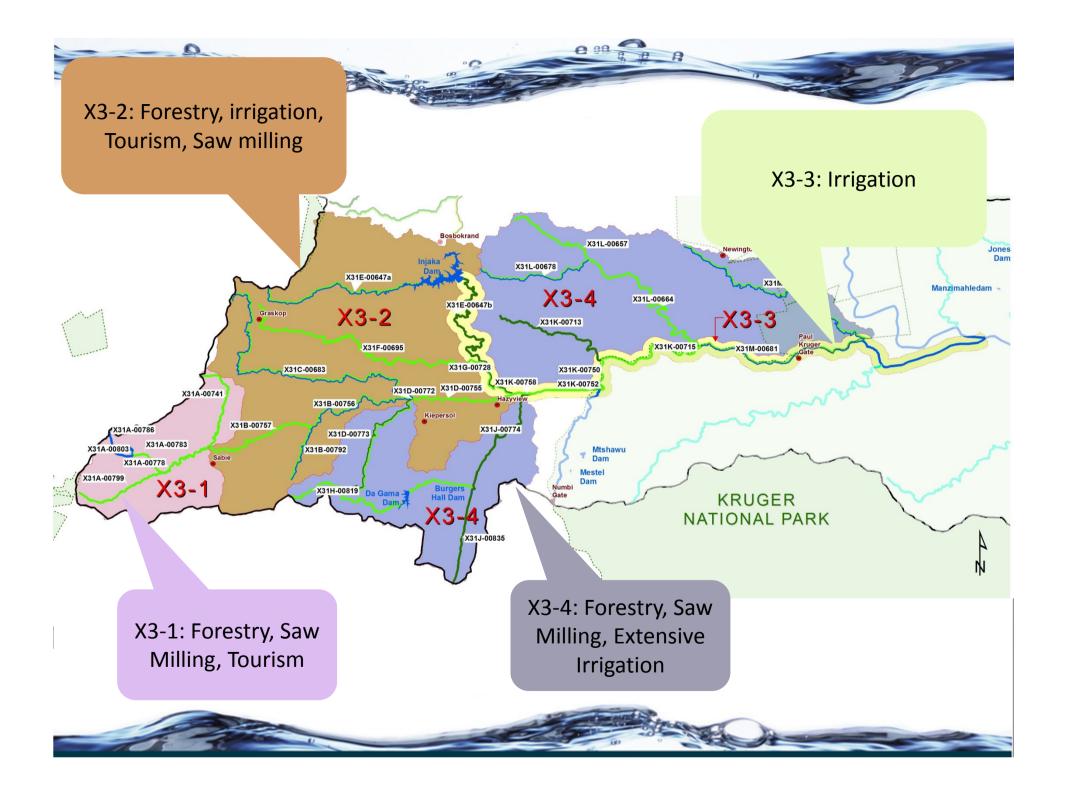
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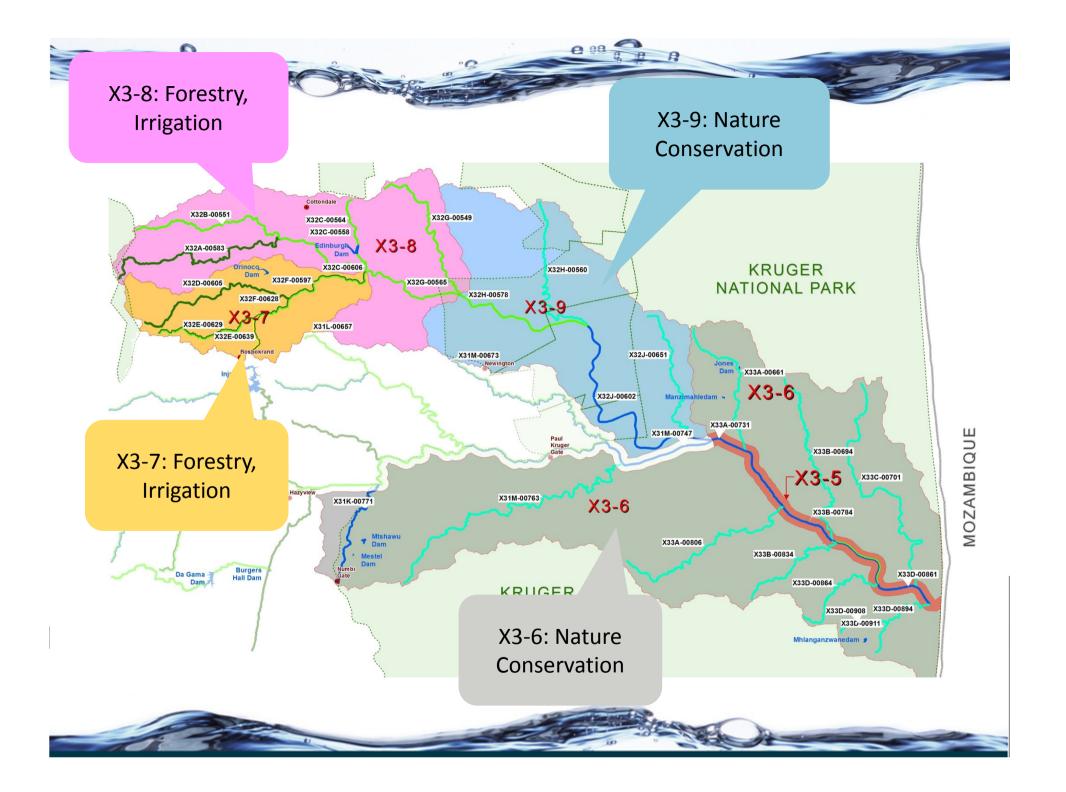
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Summary and Conclusions

- The economy of the Inkomati is dominated by Irrigation and Forestry which provide both income and substantial employment opportunities.
- Other important sectors are tourism and mining.

