

State Water Plan

Surface Water Availability Assessment

Georgia EPD

Hydrology Unit

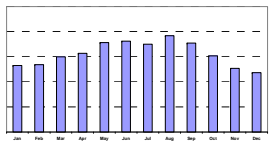
October 5, 2009

Overarching Questions

- How much water are we using?
- How much water has Mother Nature provided us?
 - How much water is naturally available?
- How much water can we reliably use without compromising the in-stream flow needs?
 - What are the in-stream flow needs?
 - How much water use can be sustained subject to these needs?

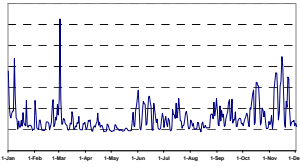
Demand Data Compilation

* Contractor (EPD Assistance)



Observed Flow Data Compilation

* Contractor



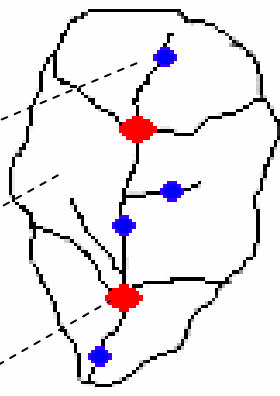
River Basin Delineation

* EPD

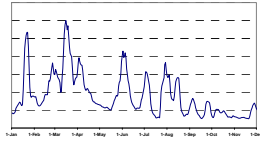
Basic Node

Sub-basin

Planning Node

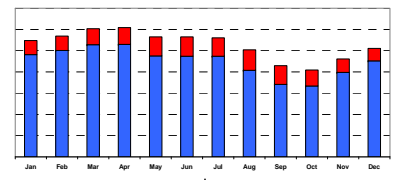


Unimpaired Flow Data Development * Contractor



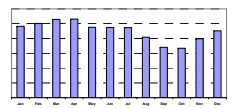
Resource Assessment Current

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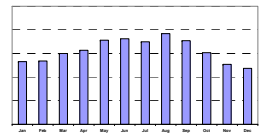
Desired Flow Regime

* EPD



Future Demands

* EPD



Future Assessment (Planning)

* EPD/ Contractor

Information

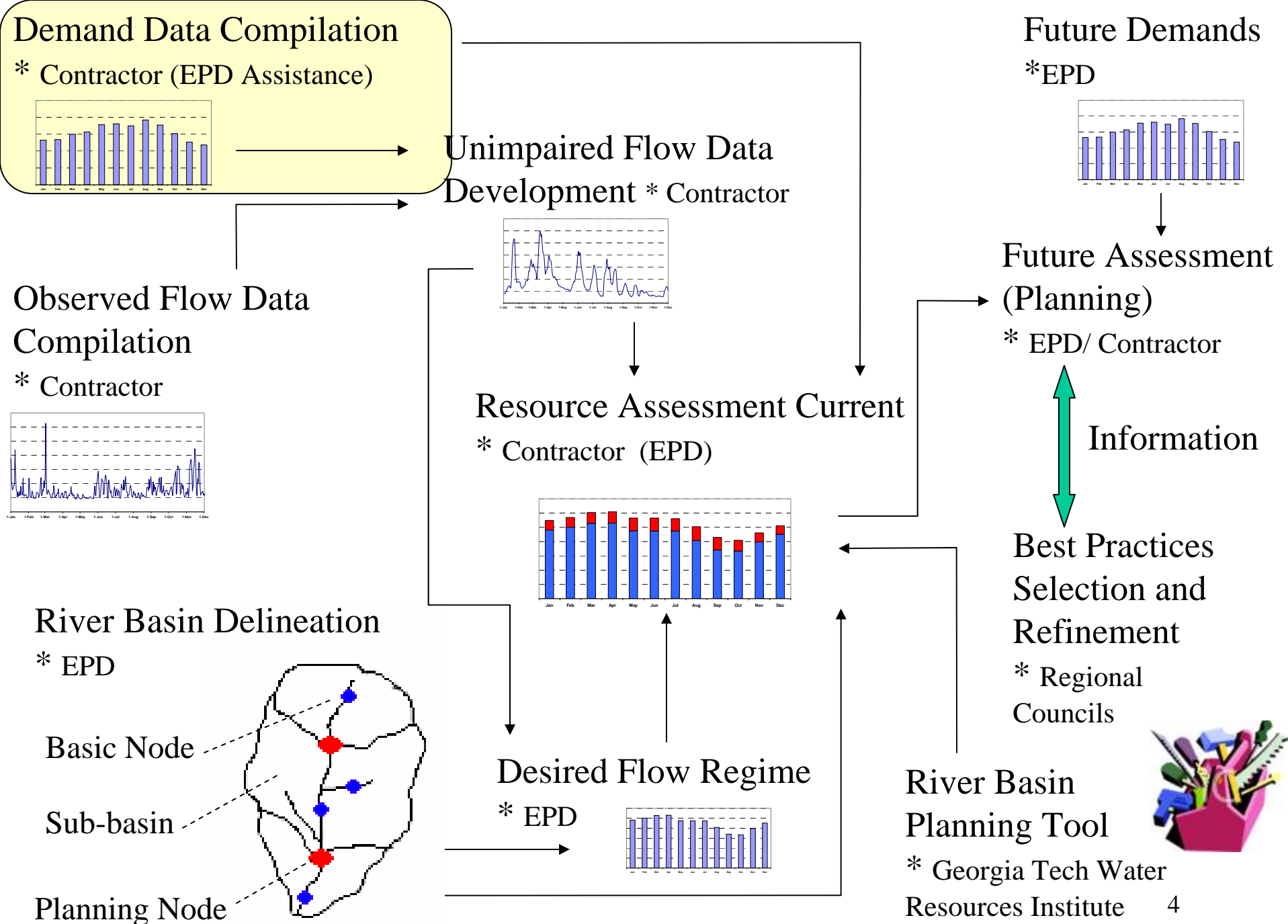
Best Practices Selection and Refinement

* Regional Councils

River Basin Planning Tool

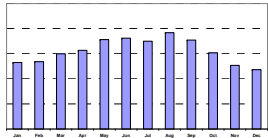
* Georgia Tech Water Resources Institute





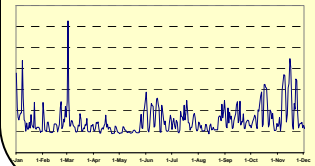
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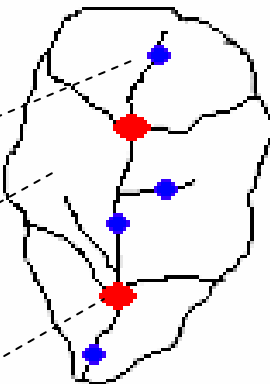
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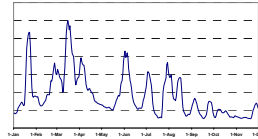
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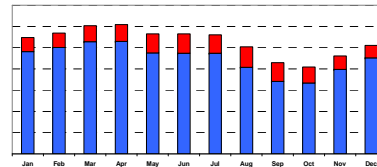


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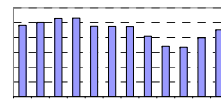
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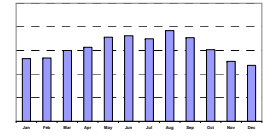
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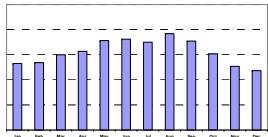
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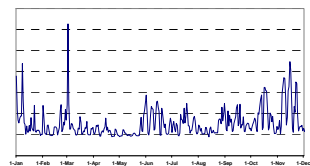
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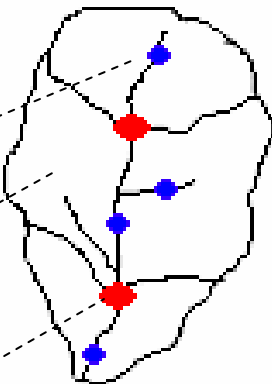
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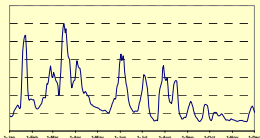
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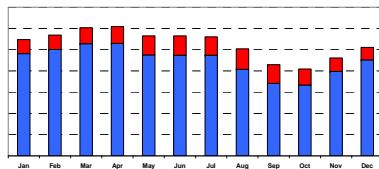


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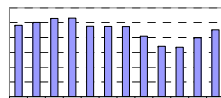
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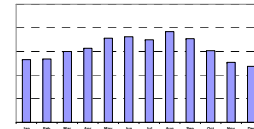
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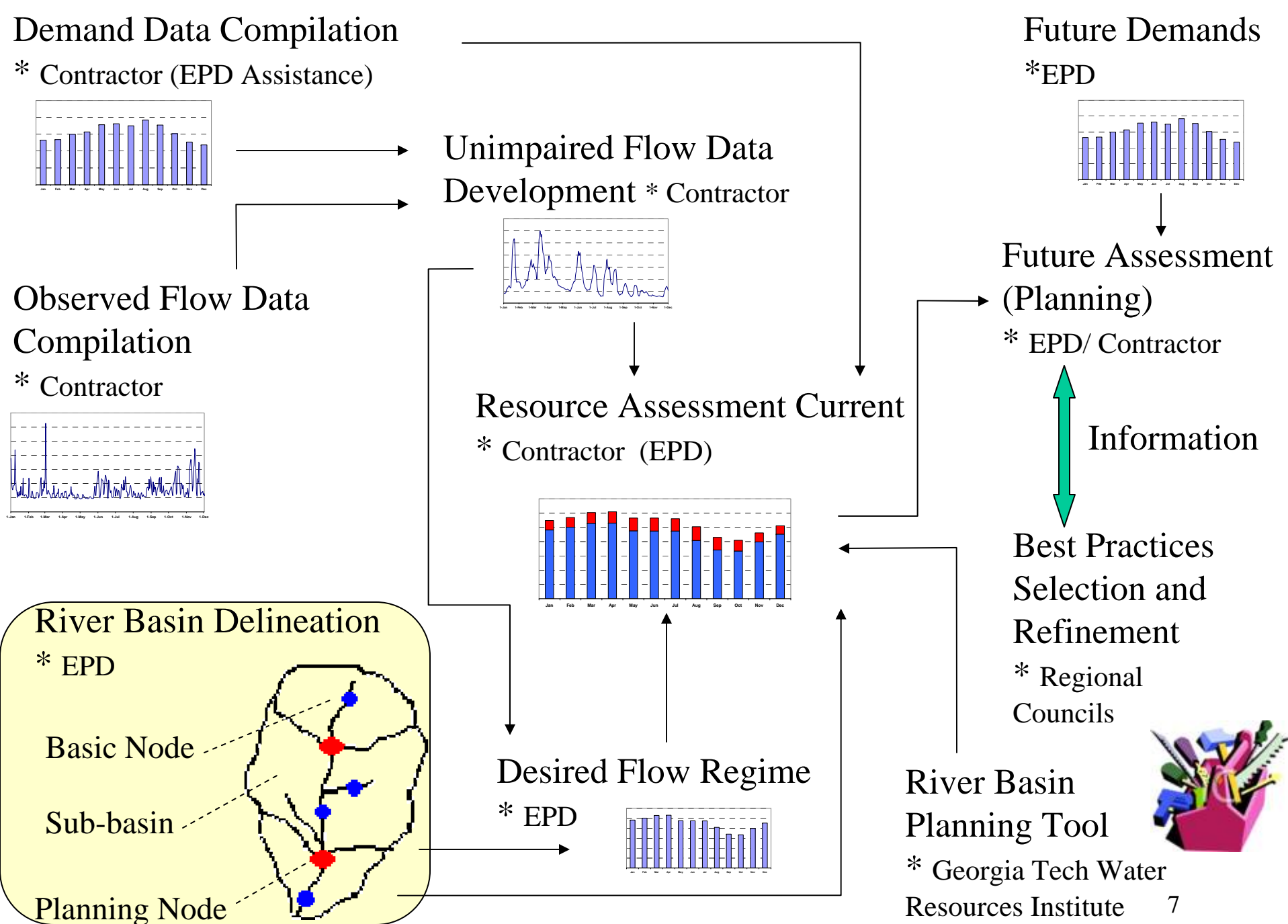
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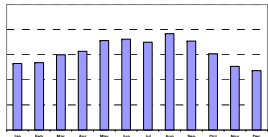
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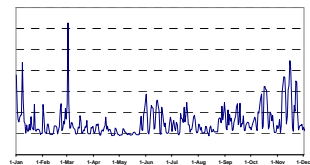
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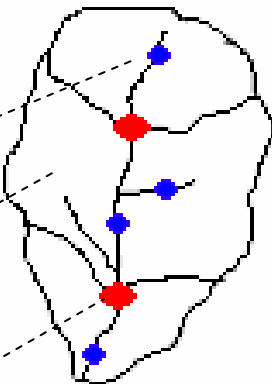
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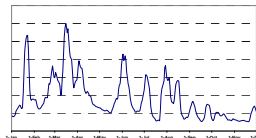
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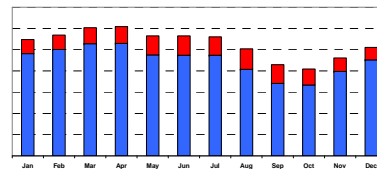


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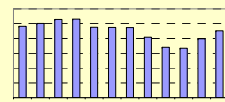
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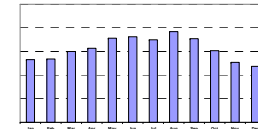
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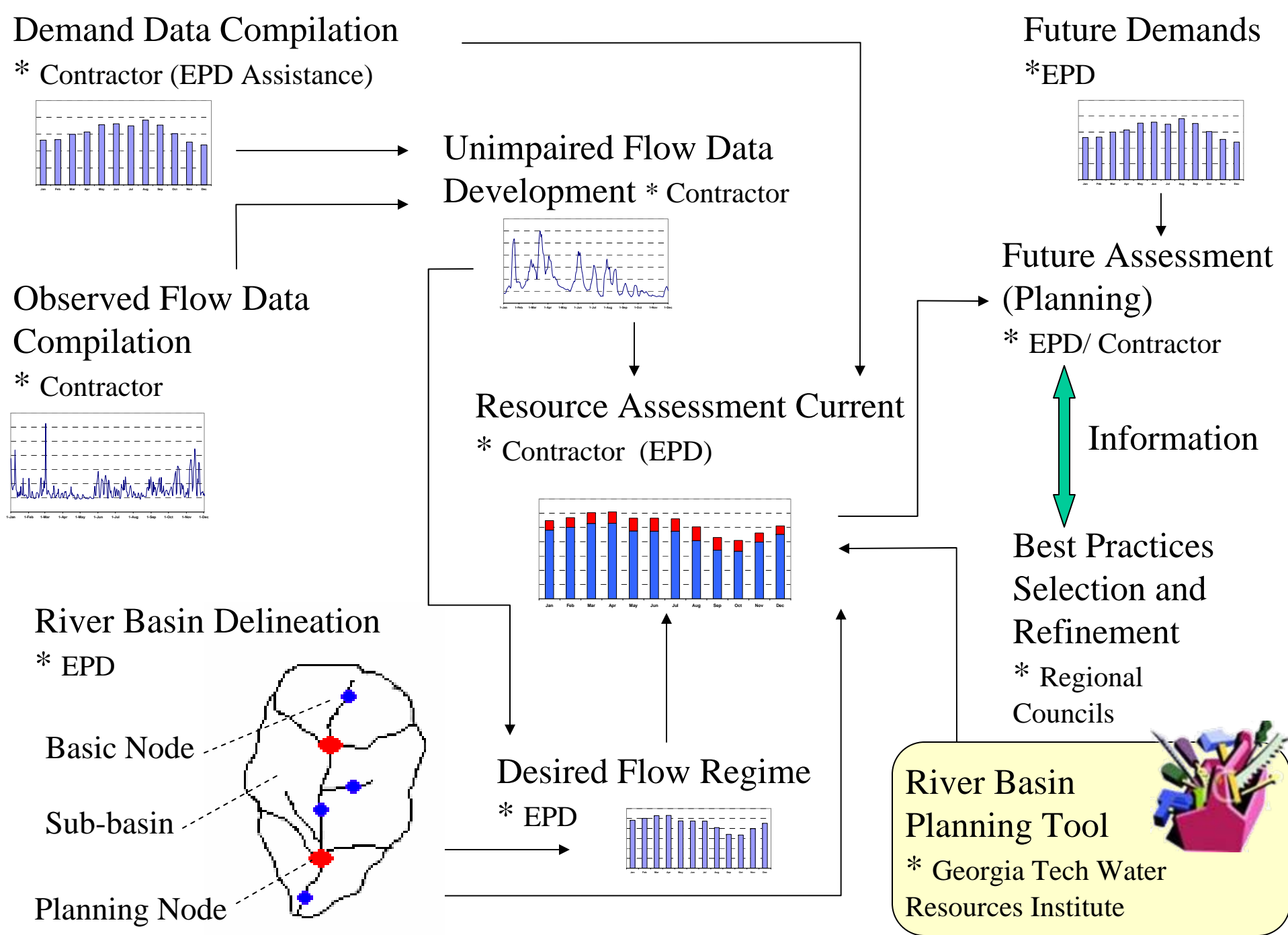
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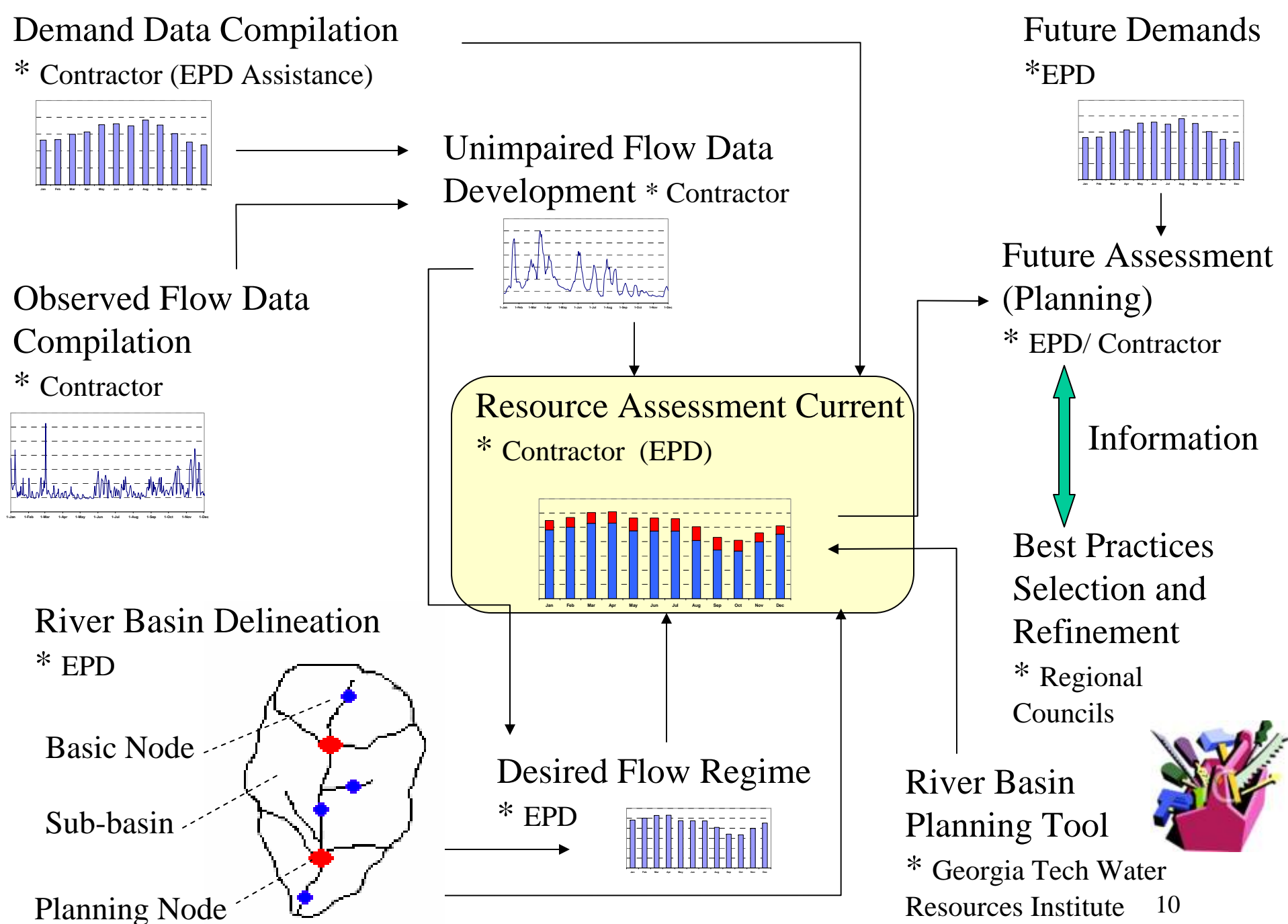
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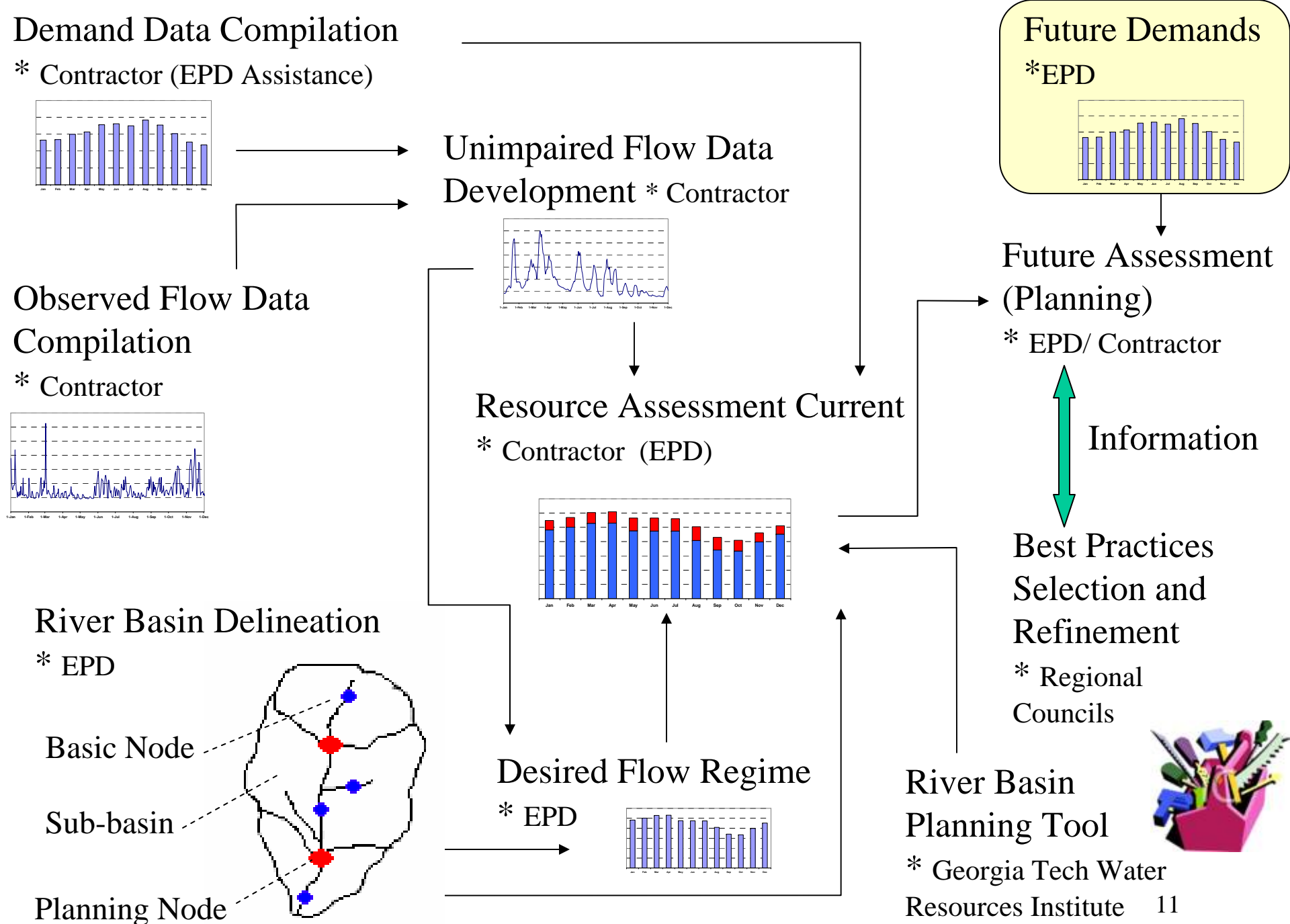
River Basin Planning Tool

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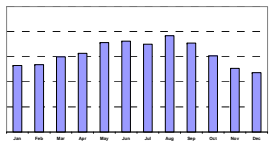






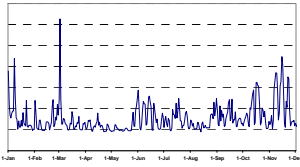
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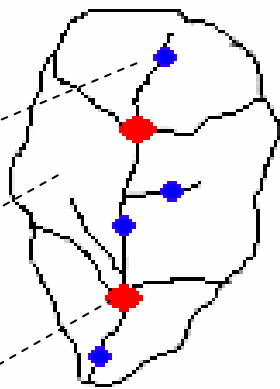
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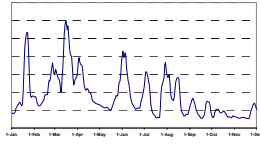
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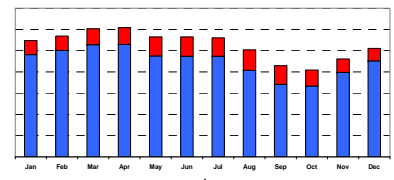


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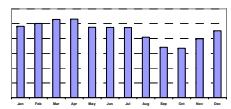
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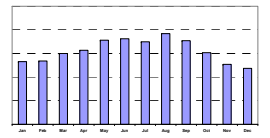
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↑ Information ↓

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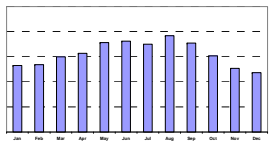
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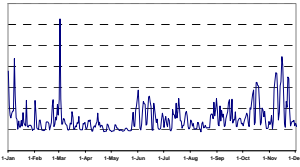
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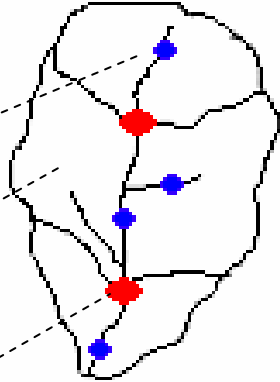
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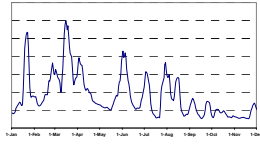
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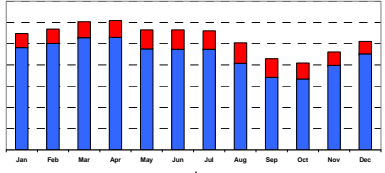


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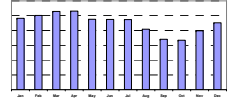
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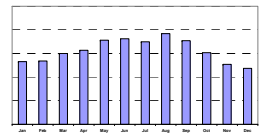
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