

Flow-dependent values *may include*:

- Water supply
- Waste assimilation
- Power production
- Navigation
- Recreation (e.g., canoeing, fishing, hiking, bird-watching)
- Fisheries (including estuary-dependent species)
- Biodiversity



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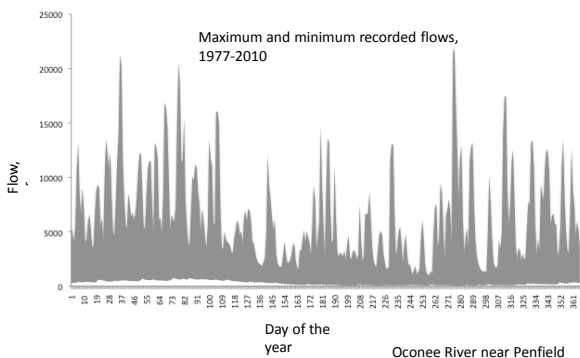
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Natural resource values generally maintained by flow variability:

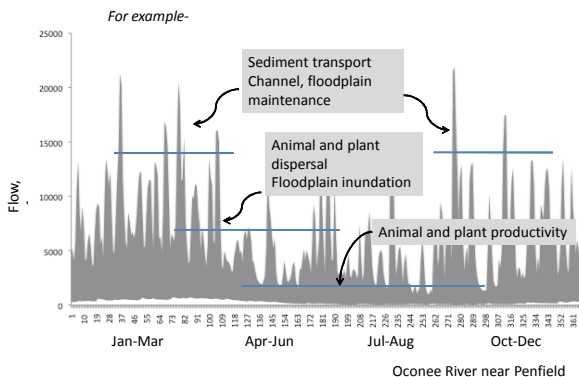
- Seasonal variation
- High- and low-flow occurrence
- Variation from year to year

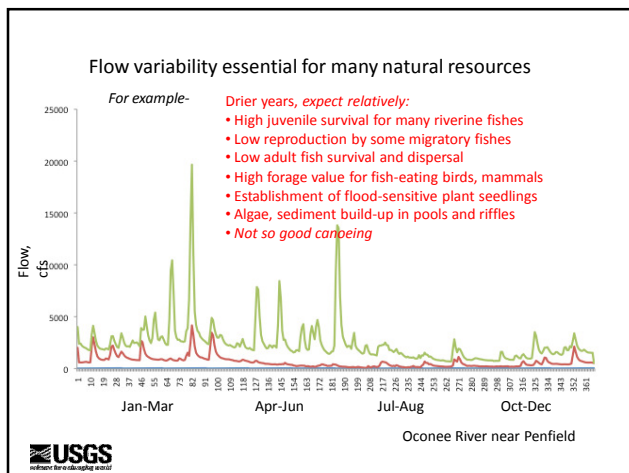
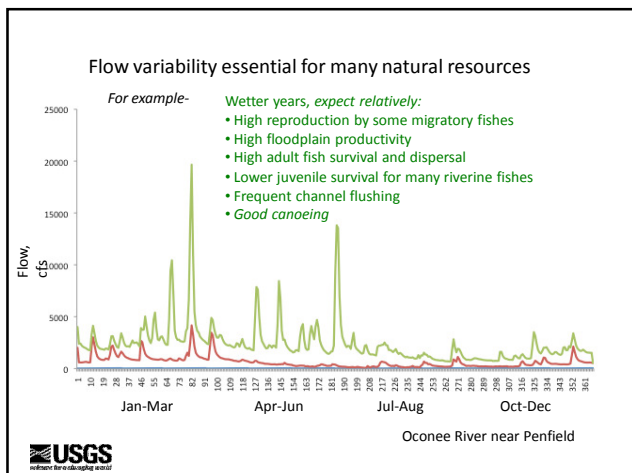
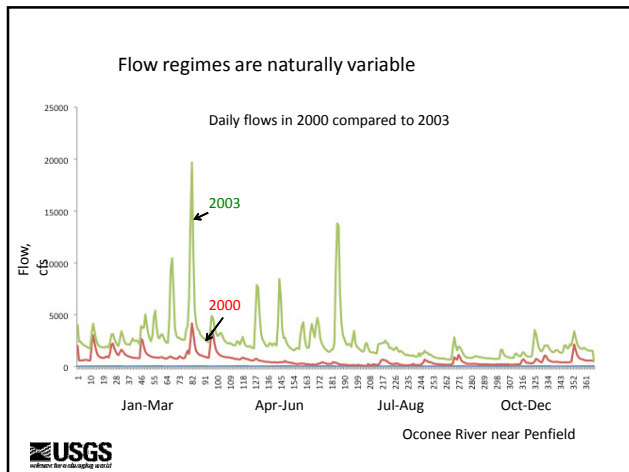
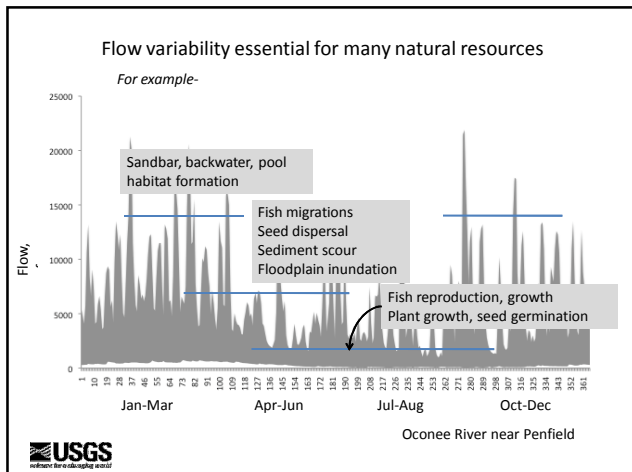


Flow regimes are naturally variable



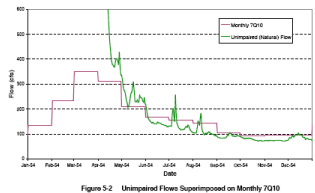
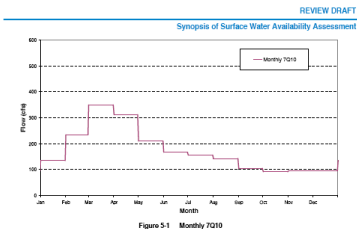
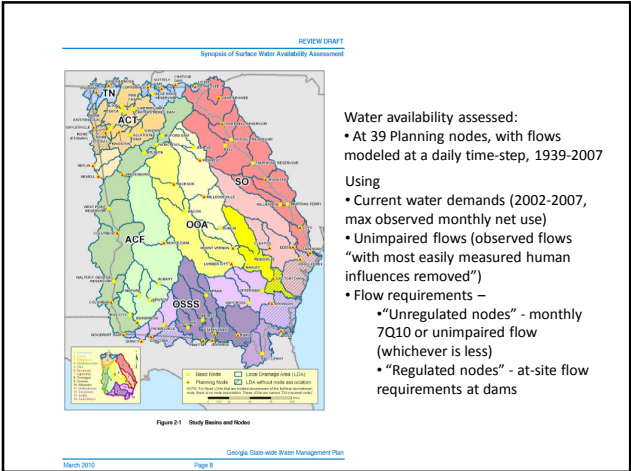
High- and low-flows important for different processes





Flow variability essential for many natural resources

- Flow variation between high and low, wetter and drier years shapes the physical and biological conditions of streams, rivers, floodplains, estuaries
- Relevance to resource assessment:
 - To understand how flow-dependent values may be affected by future changes in flows, need to estimate changes across the range of flow conditions



Flow requirements for “unregulated river” nodes

