

Sustainable Water Management Initiative Technical Subcommittee

Presentation Title: Surface Water Withdrawal Existing Conditions

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PRELIMINARY
Surface Water Withdrawal
Existing Condition
for
Sustainable Water Management
Initiative (SWMI)

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SWMI Technical Committee
February 1, 2011

Biological Categories

Incorporated effects of:

- August flow alteration by ground water withdrawals
- Impervious cover

→ Did not include surface water withdrawals

Flow Levels

- Used for Streamflow Criteria
- Based on August flow alteration
- Considers only ground water withdrawals
- Surface water withdrawals not included

Surface Water Withdrawal Existing Condition Description

Goals:

To reflect potential influence of surface water withdrawals on downstream flow

To establish a reference for streamflow expectations downstream of water supply reservoirs

Possible surface water flow level metric

Components:

SW WD = Annual reported Surface Water withdrawal (from MWI)

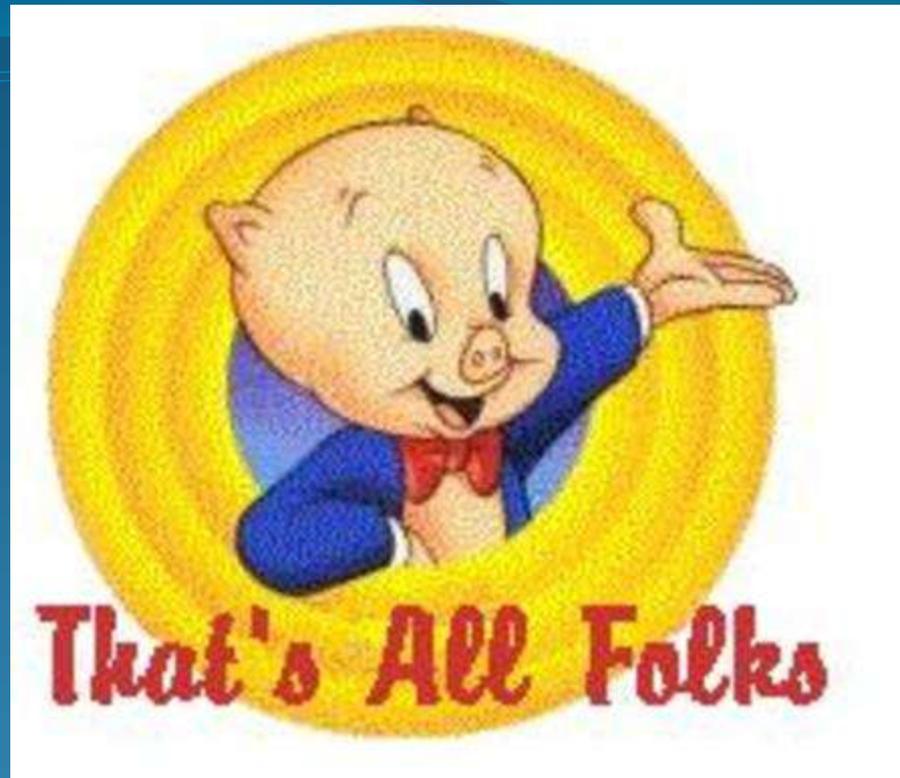
U A Flow = Estimated Unimpacted Annual Flow (from MWI)

Metric:

SW WD/U A Flow

Preliminary Results

SW WD Level	Threshold	% of HUC-12 Basins
1	< 5% annual	82%
2	5 – 15%	8%
3	> 15%	10%



Questions?
Discussion....