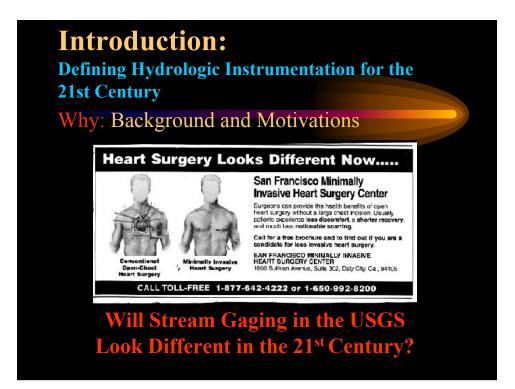


Colorado River at Lees Ferry



**Introduction:** Defining Hydrologic Instrumentation for the 21st Century

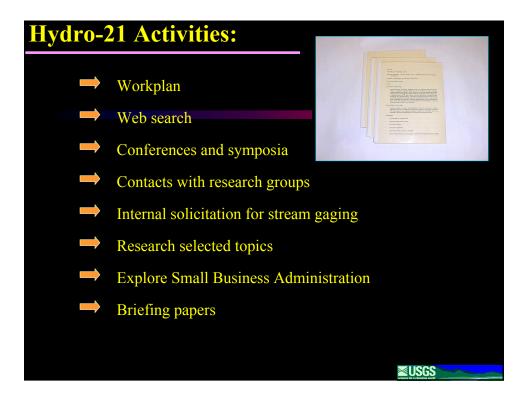
Who: Hydro-21 Committee Nick Melcher, Chairman, Arizona Dist. Chief Ralph T. Cheng, BRR, WR, SWH Frederick P. (Pete) Haeni, OGW, Geophysicist Earl M. Thurman, Kansas Dist., Geochemist John Costa, OSW Jerry Ross, HIF Liaison

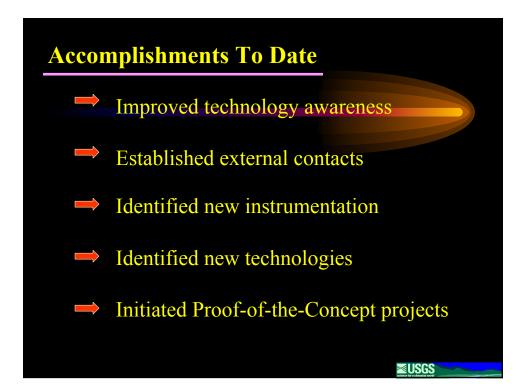
## **Introduction:**

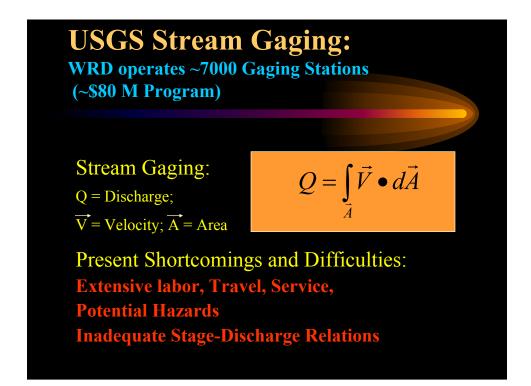
Defining Hydrologic Instrumentation for the 21st Century

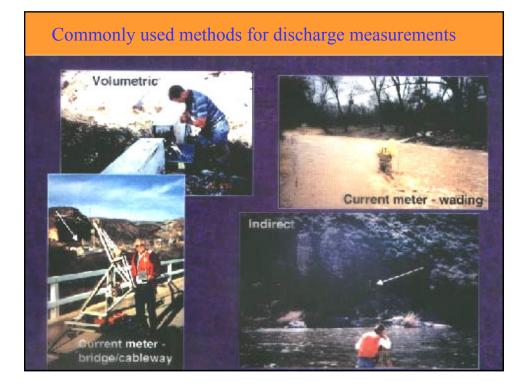
## What: Objectives

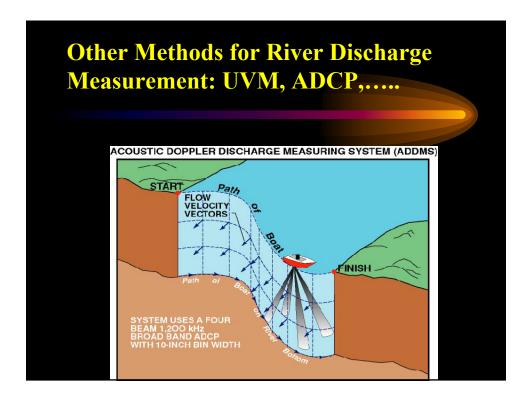
To provide vision and leadership in WRD, USGS for identifying and evaluating new technologies and methods that might have the potential to change the paradigm in WRD data collection program.

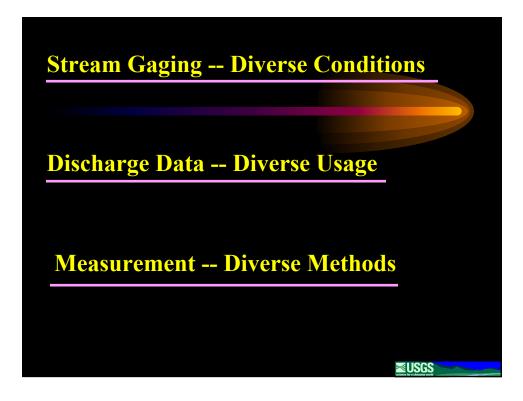


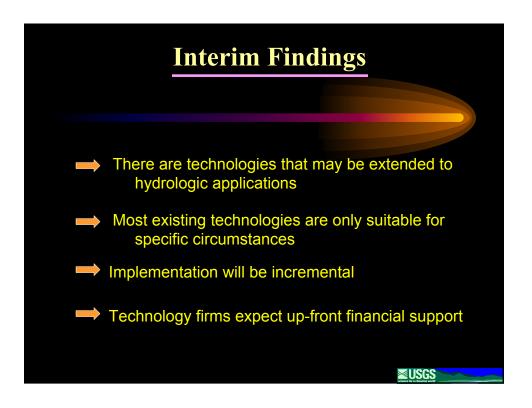






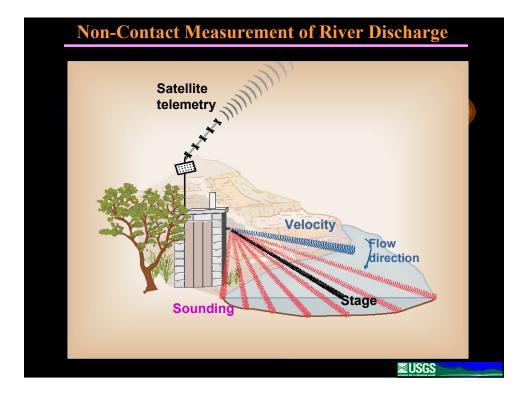


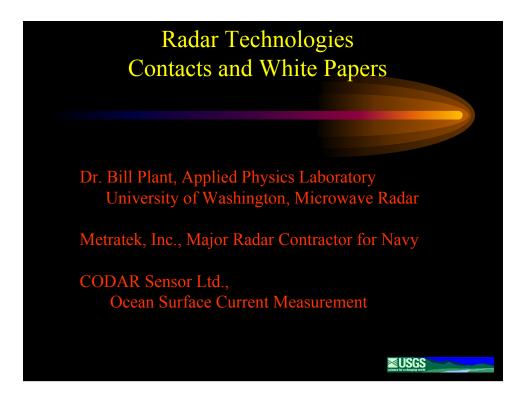


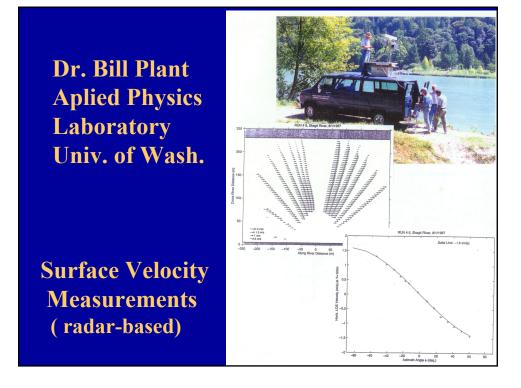


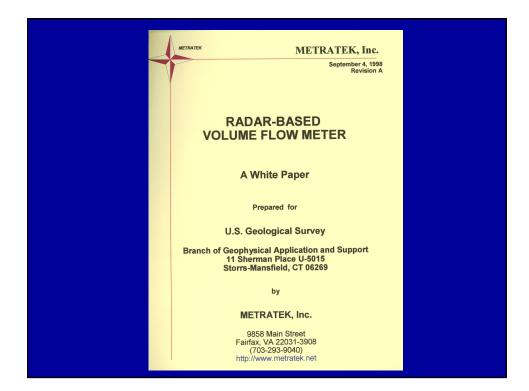


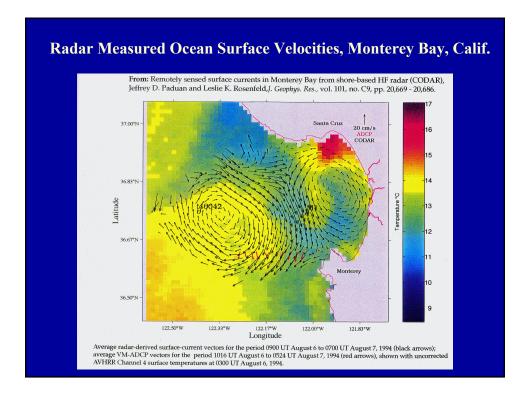








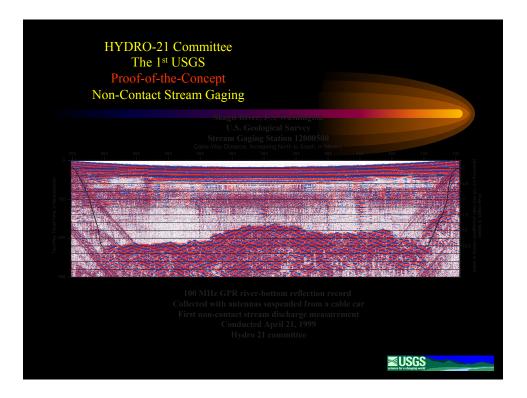


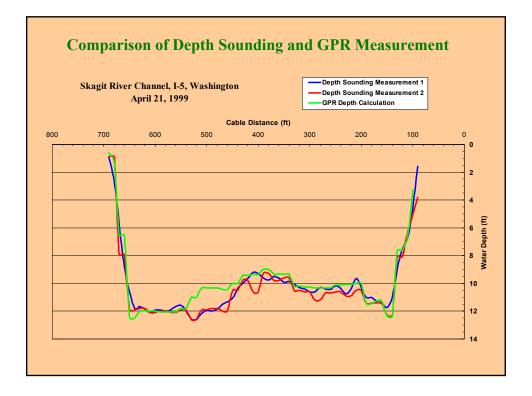




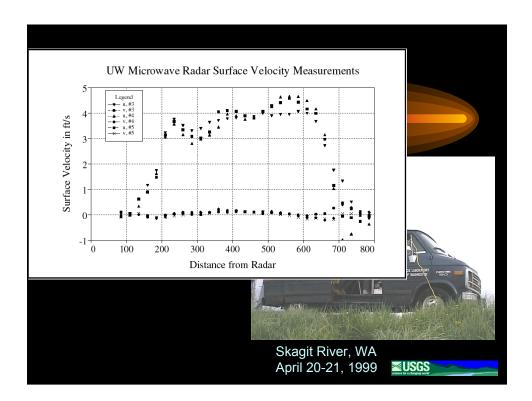
Field Experiment Coordinated by John Costa, OSW

Skagit River, WA April 20-21, 1999 **■USGS** 









HYDRO-21 Committe The 1 <sup>st</sup> USGS Proof-of-the-Concept Non-Contact Stream Gag		Landa Alasa Alasa	
Provisional Results: April 21	, 1999	in k-cf	S
Conventional Method (.2 & .8	) =	18.6	
Stage-Discharge Rating Curve	; =	18.2	
ADCP Discharge Measuremen	nt =	18.3	
Non-Contact Discharge Measu	urement =	18.0	
Field Experiment Coordinated by John Costa, OSW	Skagit Riv April 20-21		

