

2010-11 AMP Fish Monitoring: Incorporating Protocol Review

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Fish Monitoring PEP General Findings

Robust Monitoring Elements

- Lees Ferry Trout
- LCR Humpback Chub
- Mainstem Colorado River Trout
- Insufficient Monitoring Elements
 - Mainstem Nonnatives (Besides Trout)
 - Mainstem Native Fish (Besides LCR humpback chub)
- Recommendations:
 - Shift resources from robust monitoring elements (as appropriate) to insufficient monitoring elements
 - Implement recommendations subject to analyses of proposed program changes



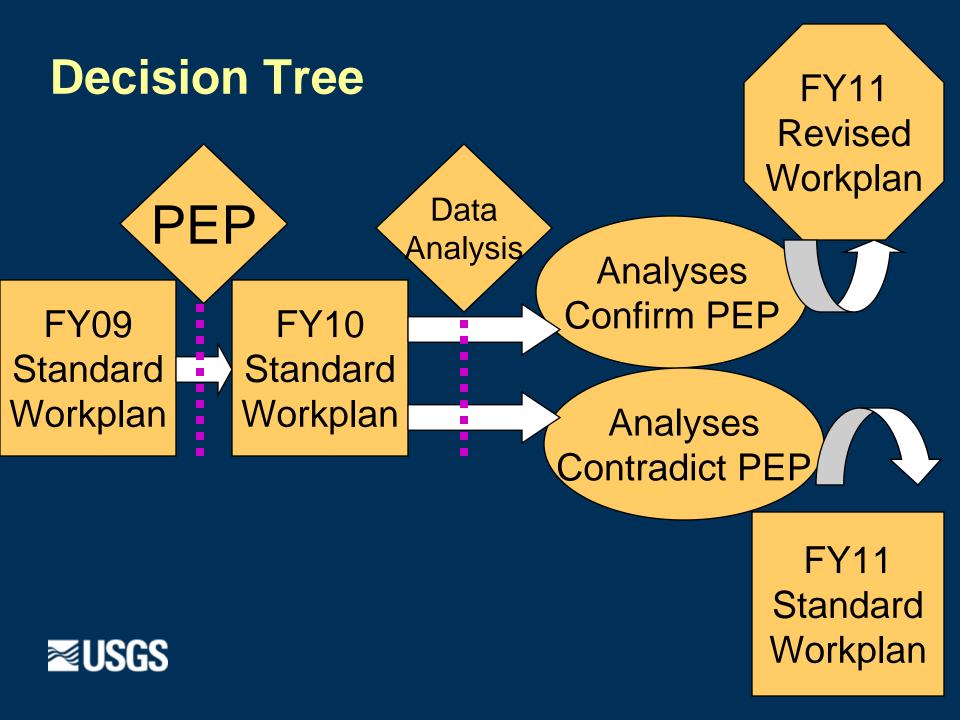


General Approach

- FY10: Generally consistent with FY09
 - Exceptions: Lees Ferry trout monitoring and one additional mainstem Colorado River effort
- FY10: Conduct analyses recommended by PEP
- FY11: Implement changes to monitoring unless contradicted by analyses and/or Science Advisor Review







Little Colorado River HBC Monitoring

- FY10: Maintain spring and fall mark-recapture, closed population estimate in lower 13.6 km
- FY10: Maintain spring HBC monitoring lower 1200 m
- FY 11: Integrate efforts listed above and possibly discontinue fall sampling as recommended by analysis of current data





Mainstem Colorado R. Monitoring

• FY10:

- 2 spring e-shocking monitoring trips (Feb., Mar.)
- I fall trammel net monitoring trip (Sep.)

• FY11:

- 2 spring e-shocking monitoring trips (Feb., Mar.)
- I fall trammel net monitoring trip (Sep.)
- I fall seine and other net monitoring trip (Oct.)





Remote PIT tag reading in LCR

FY10-11: Continue and expand

- Additional antennas
- Seek graduate student (O&M, analysis)



Lees Ferry Fishes Monitoring

FY10-11:

- 2 randomized e-fishing (RBT + nonnatives) trips
- 2 early life stages RBT monitoring trips
- I focused nonnative e-fishing trip
- Integrate with AZGFD surveys on fishery performance (angler catch-rate, possibly satisfaction indices)





FY10 Analyses and Next Steps

- USGS, USFWS, AZGFD will review fish monitoring data, particularly capture/recapture
- Meeting to review results January 2010 (annual reporting meeting)
- Recommendations for FY11 projects will be reviewed by Science Advisors

