



Lower Colorado River Multi-Species Conservation Program

Balancing Resource Use and Conservation

**LCR MSCP responses to razorback losses at Willow
Beach NFH due to catastrophic Ich outbreak**



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**Affects on FY17 Augmentation and LCR MSCP's
Strategy to mitigate some of these affects**

**Efforts to provide additional preventative
measures for future outbreaks**

**Affects on future LCR augmentation and strategies
to cope and rebuild**



Affects on FY 17 Augmentation:

Low numbers of fish available for Lake Mohave stocking (Willow Beach produces fish primarily for Lake Mohave)

Strategy:

Redirect stocking efforts in other reaches to balance reach goals and still provide some fish for Lake Mohave genetic broodstock



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LCR Reach	2	3	4/5
FY 17 LCR MSCP RASU Goal	7000 - 8000 adults (genetic broodstock)	6000 sub-adults (population augmentation)	6,000 sub-adults + 6,000 (Population augmentation + Experimental Stocking)
Hatchery	Willow Beach (WB), Lake Mead Hatchery (LMH)	LMH, Achii Hanyo (Achii), WB	Bubbling Ponds (BP)
What we're getting	~1,100 (in Mohave + 300 lakeside ponds*)	~4,300	~6,000
Where did they come from?	~500 LMH* ~600 Achii ~300 WB (lakeside ponds)	~2,000 LMH ~300 Achii ~2,000 BP*	~5,500 BP ~500 LMH (Lake Mead Origin)*

*These fish have not yet been stocked



Efforts to provide additional preventative measures for future outbreaks:

WB has already implemented additional preventative measures to reduce the potential of cross-contamination

Hatchery experts with LCR native fishes are convening to identify techniques, system enhancements and technologies that could reduce the likelihood and/or severity of additional outbreaks at WB and other facilities that rear fish for the LCR MSCP



Affects for future LCR augmentation:

Low numbers of RASU for Lake Mohave in subsequent years

Strategies to cope and rebuild:

More fish:

Increased larval goals

Expanding rearing capacity at LMH

Trading rearing space at Achii for more RASU capacity

Seeking/developing additional grow out areas:

Beal Lake (large fish grow out)

Planet Ranch

Others



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Questions?