Lake Mead Fish Hatchery
C.R.A.B. Meeting 2016

NEVADA
DEPARTMENT OF
WILDLIFE

Fish Reared at LMFH

Razorback Sucker
(*Xyrauchen texanus*)

Bonytail Chub
(*Gila elegans*)

Flannelmouth Sucker
(*Catostumus latipinnis*)

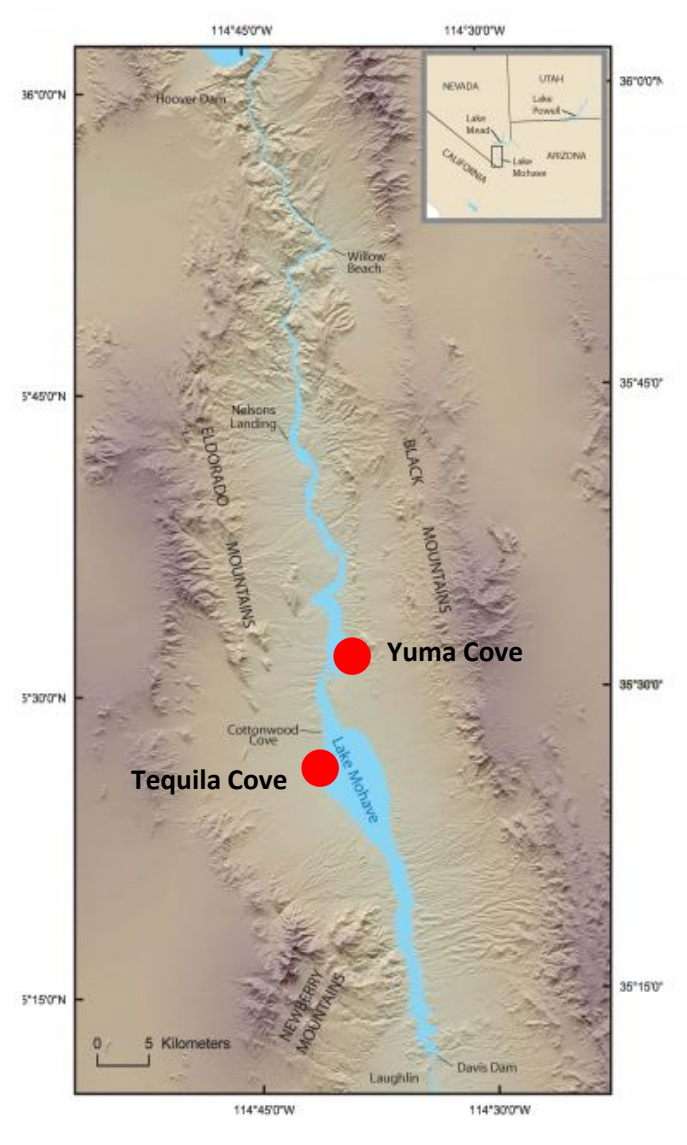
Moapa Dace
(*Moapa Coriacea*)

Razorback Larval Rearing

2014 Larval Tanks

2015 – present; upgraded larval tanks

Razorback Site Fidelity Study



- March 2015 – NDOW Staff collected 2,000 larval Razorback from Yuma Cove and 2,000 from Tequila Cove.
- January 2016 – 3,967/4,000 = .825% mortality.
- Winter 2018 – Planned release.

LMFH Razorback Sucker on Station

Tank	Species	Year Class	Origin	# of Fish	Mean TL (mm)
201	RBS	2015	Lake Mead	40	137.6
202	RBS	2015	Lake Mohave	1980	74.2
203	RBS	2015	Lake Mohave	1,987	76.1
209	RBS	2014	Lake Mead	31	300.3
401	RBS	2014	Lake Mohave	1,439	303.9
402	RBS	2014	Lake Mohave	1,490	305.8
403	RBS	2014	Lake Mohave	1,505	303.8
404	RBS	2015	Lake Mohave	2,694	149.2
405	RBS	2015	Lake Mohave	2,669	144.3
406	RBS	2011-2012	Lake Mead	270	396.9
407	RBS	2010	Lake Mead	318	452.3
813	RBS	2010-2011	Lake Mohave	201	468.4
814	RBS	2010-2011	Lake Mohave	334	431.7
815	RBS	2010-2011	Lake Mohave	415	442.9
816	RBS	2010-2011	Lake Mohave	421	464.7
817	RBS	2010-2011	Lake Mohave	499	451.9
			Total Fish	**16,293**	

Total Lake Mead RBS **659**

Total Lake Mohave RBS **15,634**

LMFH Bonytail Chub on Station

Tank	Species	Year Class	Origin	# of Fish	Mean TL (mm)
409	Bonytail	2014	Achii Hanyo	1,882	269.7
410	Bonytail	2014	Achii Hanyo	1,878	260
802	Bonytail	2013	Achii Hanyo	1,453	310
803	Bonytail	2015	Achii Hanyo	5,269	105
804	Bonytail	2013	Wahweap	6,097	231.5
805	Bonytail	2013	Wahweap	6,593	250.7
806	Bonytail	2013	Wahweap	4,947	191.4
			Total Fish	28,119	

LMFH Moapa Dace on Station

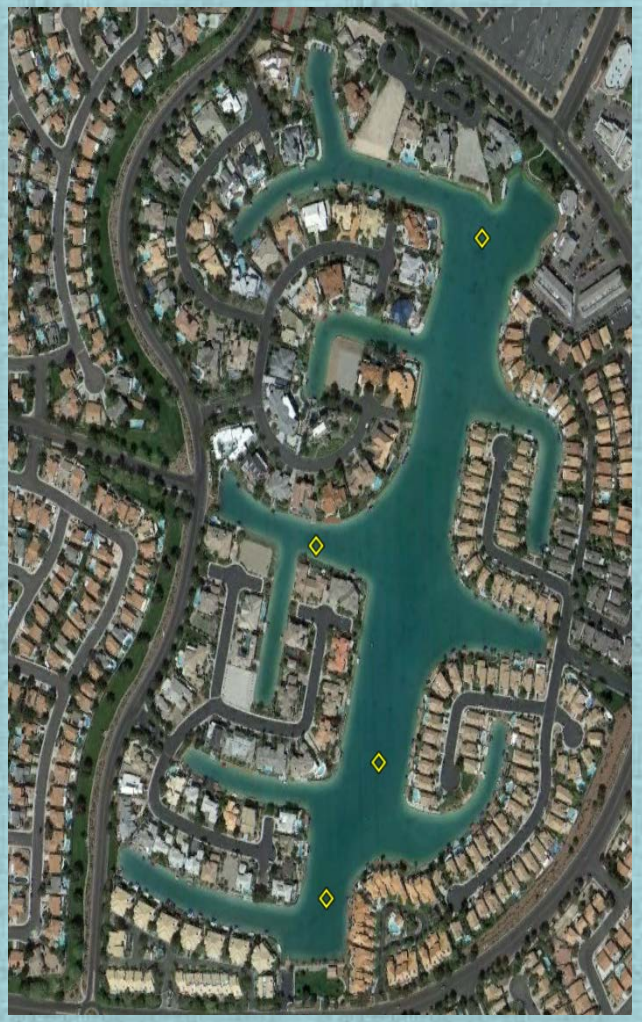
- **May 2015: Received 20 wild caught Dace and 222 F1 Dace from University of Arizona Fish Lab.**

- **January 2016: 246 F1 Dace spawned at LMFH**
  244 F2 Dace spawned at LMFH

Sampling Event
Lake Sahara, March 2015

Species	# Fish	Avg. TL (mm)
Razorback Sucker	27	572.6

Razorback	# Fish
Female	7
Male	20
Total	**27**



Lake Sahara

Las Vegas, NV

30 acres

Sampling Event
Center Pond at Overton Wildlife Management Area, December 2015

Species	# of Fish	Avg. TL (mm)	Avg. Wt (g)
Razorback	30	497	1,291
Yellow Bullhead Catfish	1	372	675
Common Carp	15	409	851
Green Sunfish	5	214	206
Largemouth Bass	36	340	637
Total Fish	**87**		

Center Pond
OWMA
16 acres

Upcoming Work Activities 2016

- Continue rearing of Razorback Sucker and Bonytail on station from previous years.
- Begin stocking Bonytail received in FY14 that have attained a TL > 300mm.
- Receive and rear up to 6,000 fingerling Bonytail for future repatriation.
- Continue spawning of Moapa Dace for research projects.
- Long-term monitoring of Lake Mead RBS population w/BIO-WEST, Inc.
- Flow condition razorback suckers and release into Lake Mohave (Spring 2016).

Acknowledgements

American Southwest Ichthyological Researchers