

Lower Colorado River Basin Drought Contingency Planning

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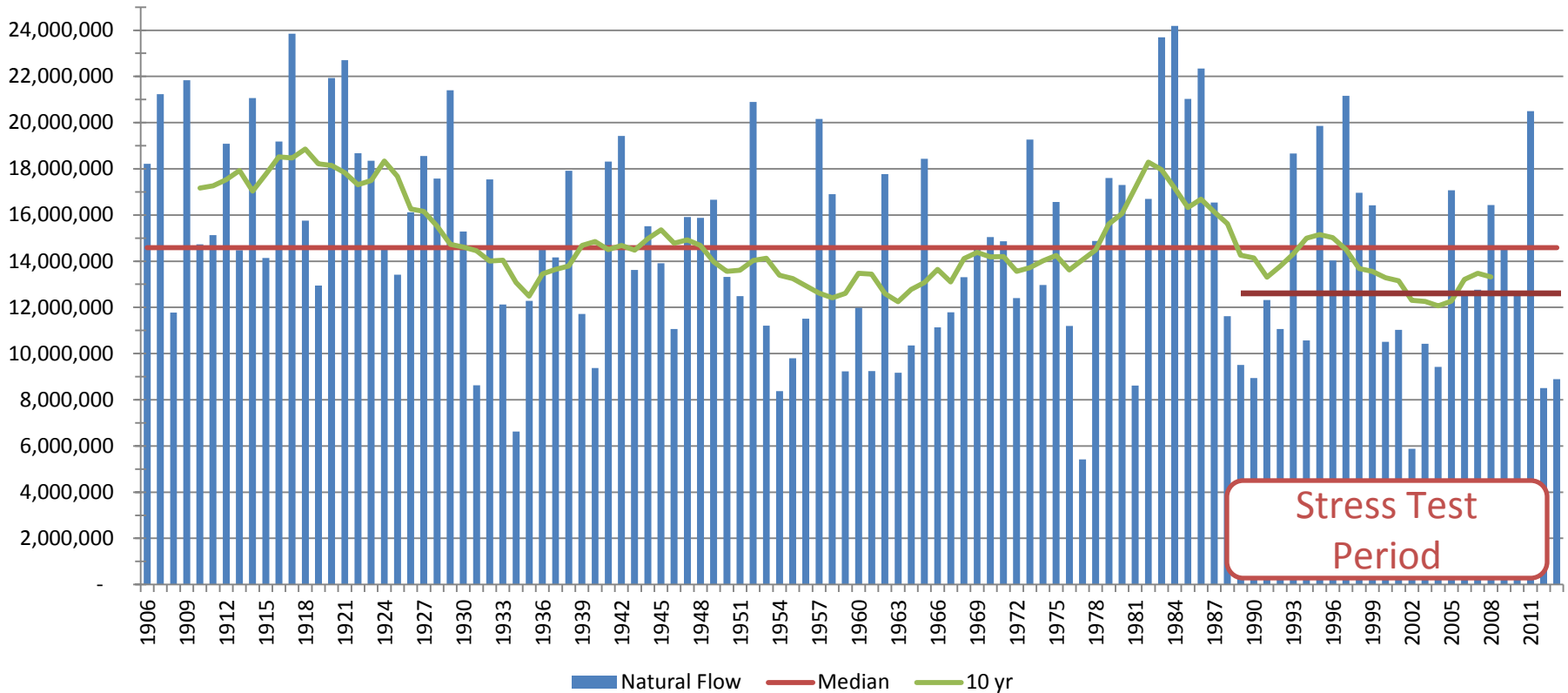
Arizona Department of Water Resources

May 18, 2016



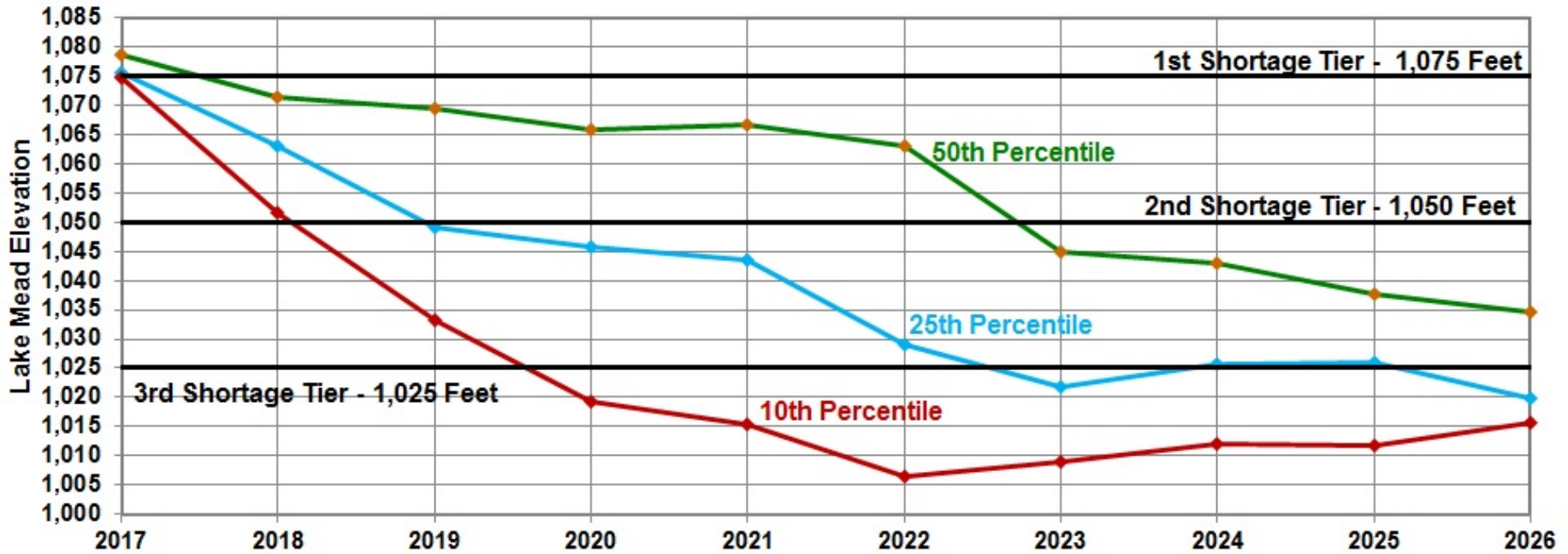
Observed Hydrology & “Stress Test”

Natural Flow at Lee Ferry (1906 - 2013)



Lake Mead – Selected Percentile Elevations

Stress Test Hydrology – “No Action”

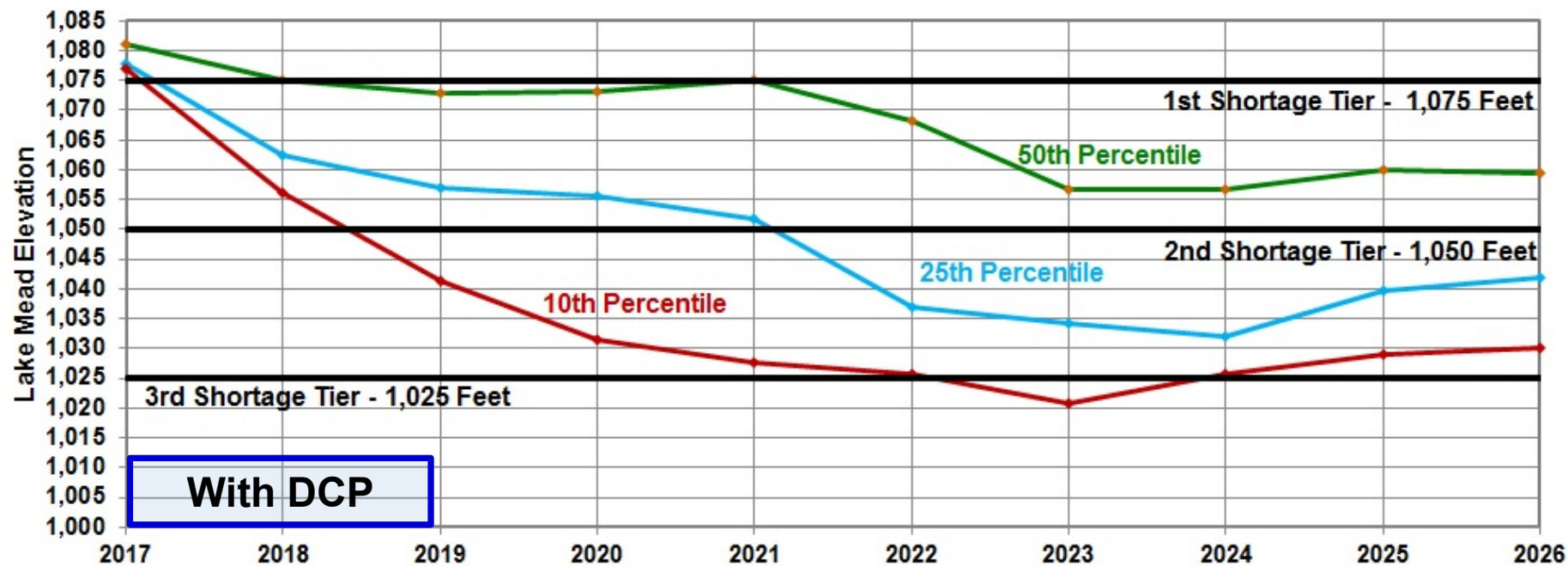
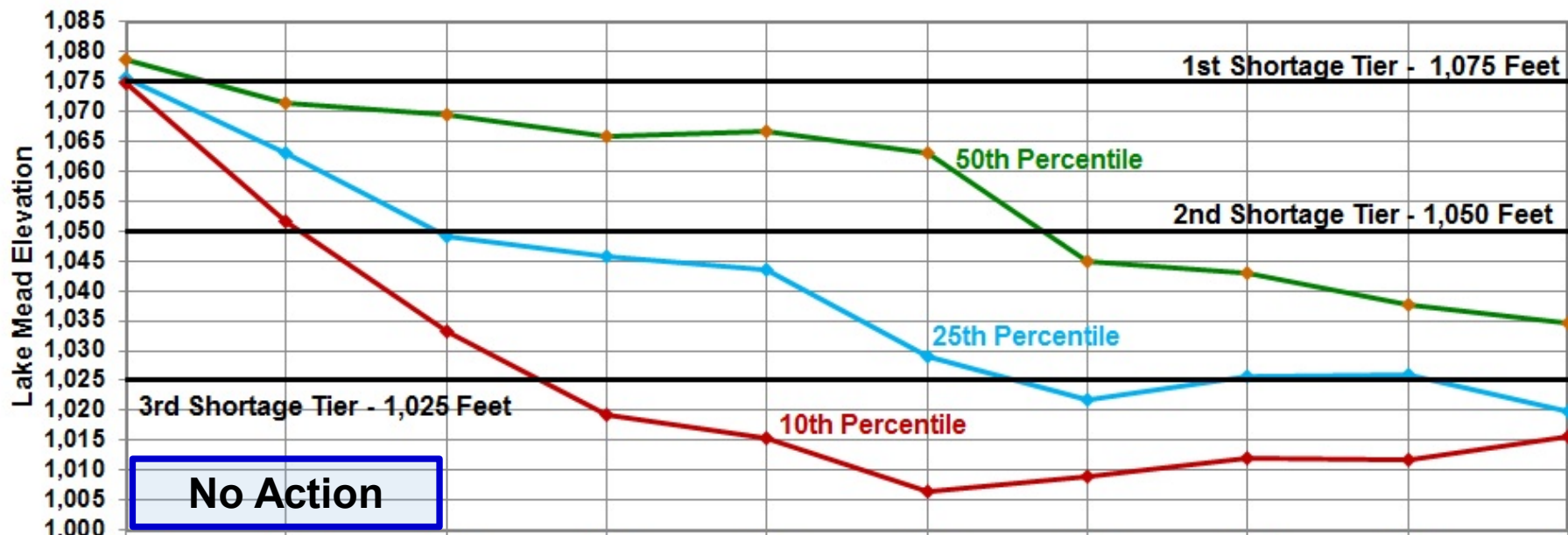


LBDCP Water Use Reductions

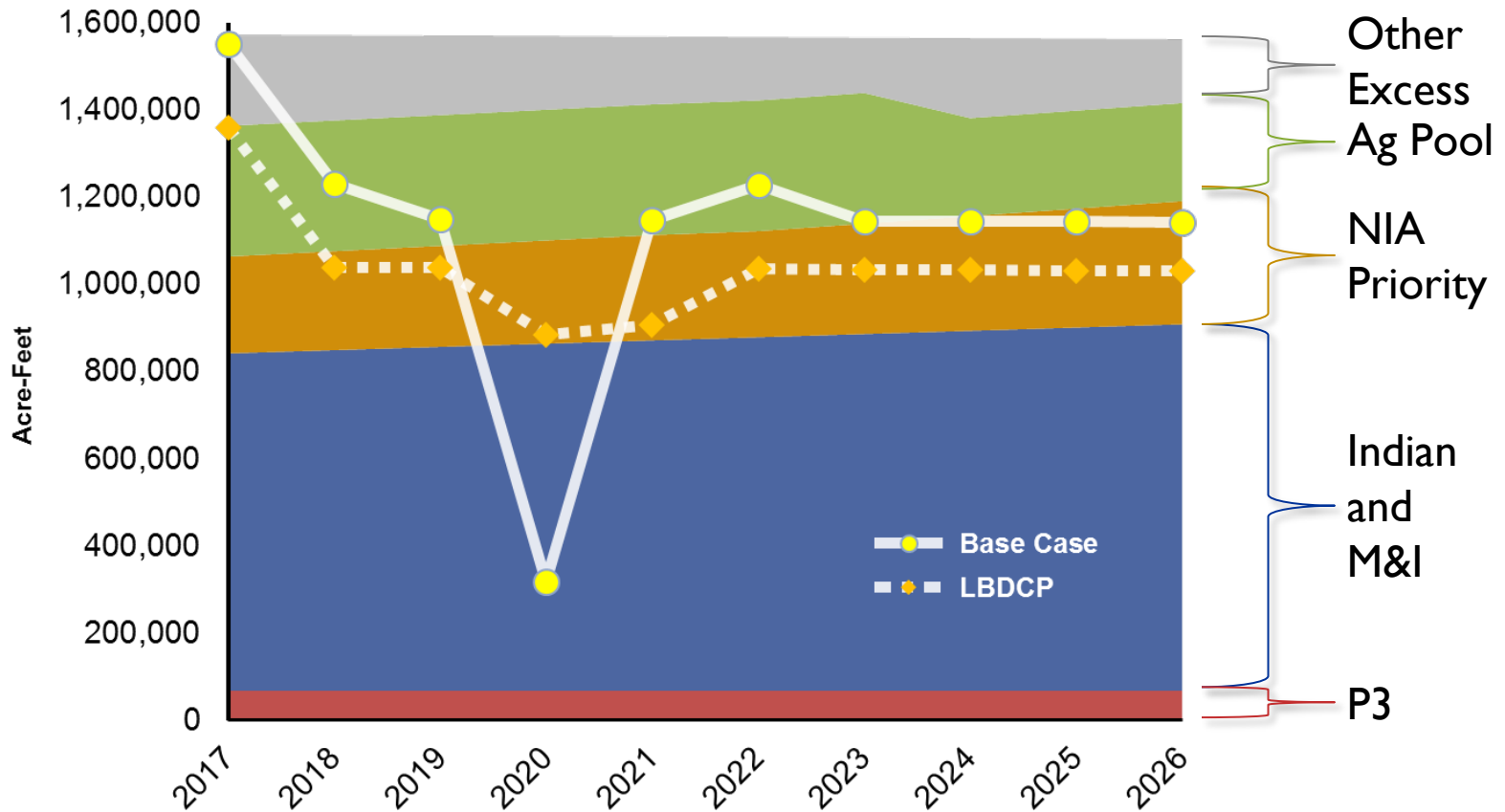
Lake Mead Elevation	AZ [2007]	AZ [Plan]	AZ TOTAL	NV [2007]	NV [Plan]	NV TOTAL	CA [2007]	CA [Plan]	CA TOTAL	BOR	TOTAL
1090-1075	0	192K	192K	0	8K	8K	0	0	0	100k	300k
1075-1050	320K	192K	512K	13K	8K	21K	0	0	0	100k	633k
1050-1045	400K	192K	592K	17K	8K	25K	0	0	0	100k	717k
1045-1040	400K	240K	640K	17K	10K	27K	0	200K	200K	100k	967k
1040-1035	400K	240K	640K	17K	10K	27K	0	250K	250K	100k	1,017k
1035-1030	400K	240K	640K	17K	10K	27K	0	300K	300K	100k	1,067k
1030-1025	400K	240K	640K	17K	10K	27K	0	350K	350K	100k	1,117k
<1025	480K	240K	720K	20K	10K	30K	0	350K	350K	100k	1,200k

Revised on 11/18/15 to include US and TOTAL reductions

Lake Mead – Selected Percentile Elevations Stress Test Hydrology – “No Action” and With DCP



Consecutive Dry Years Example



Lower Colorado River Basin Drought Contingency Discussions Next Steps

- Complete demand, hydrology and distribution scenario modeling to frame range of impacts.
 - NIA Pool, tribal entities, agricultural pool, other excess water users
 - On-River participation decreases impacts
- Discussion regarding the voluntary reductions in Arizona and development of Arizona consensus
- Arizona legislation, communication and messaging



Drought Contingency Planning Tribal Outreach

- 17 tribes in Arizona have Colorado River water entitlements or claims from the mainstem or through CAP allocations
- In February, Reclamation invited tribes with entitlements to discuss:
 - status of current drought
 - ongoing drought response actions
 - interest and potential involvement in drought contingency planning
- 15 meetings conducted¹; 2 to be scheduled²
- Follow-up meetings arranged upon request
- Reclamation is committed to working closely with tribes as discussions unfold

¹Ak-Chin Indian Community, Cocopah Indian Tribe, Colorado River Indian Tribes, Fort McDowell Yavapai Nation, Fort Mojave Indian Tribe, Gila River Indian Community, Havasupai Tribe, Pasca Yaqui Tribe, Quechan Indian Tribe, Salt River Pima-Maricopa Indian Community, San Carlos Apache Tribe, Tohono O'odham Nation, Tonto Apache Tribe, White Mountain Apache Tribe, Yavapai Apache Tribe

²Hopi Tribe, Navajo Nation

Up-to-Date Arizona Information Sources

- **ADWR's website: azwater.gov**
- **CAP's website: cap-az.com**
- **Central Arizona Water Conservation Board Meetings**
- **Arizona Water Banking Authority Commission Meetings**
- **Groundwater Users Advisory Council Meetings**

Please send follow up questions to:

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Questions?

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