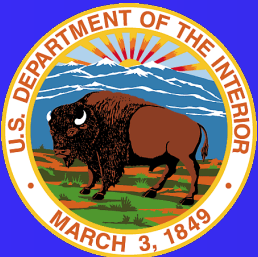


Environmental Account Update

Governance Committee
December Meeting
December 2, 2020



U.S. Fish and Wildlife Service
IR 5 & 7 Water Resources



Presentation Topics

- EA Accounting
 - Current volume ~145 kaf
 - ~204 kaf by September 30 (no releases)
- Priority releases – spring whooping crane and channel maintenance (including germination suppression)
- Drought conditions should persist across basin



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Accounting WY 2020 & 2021

Environmental Account Volumes (acre-feet)

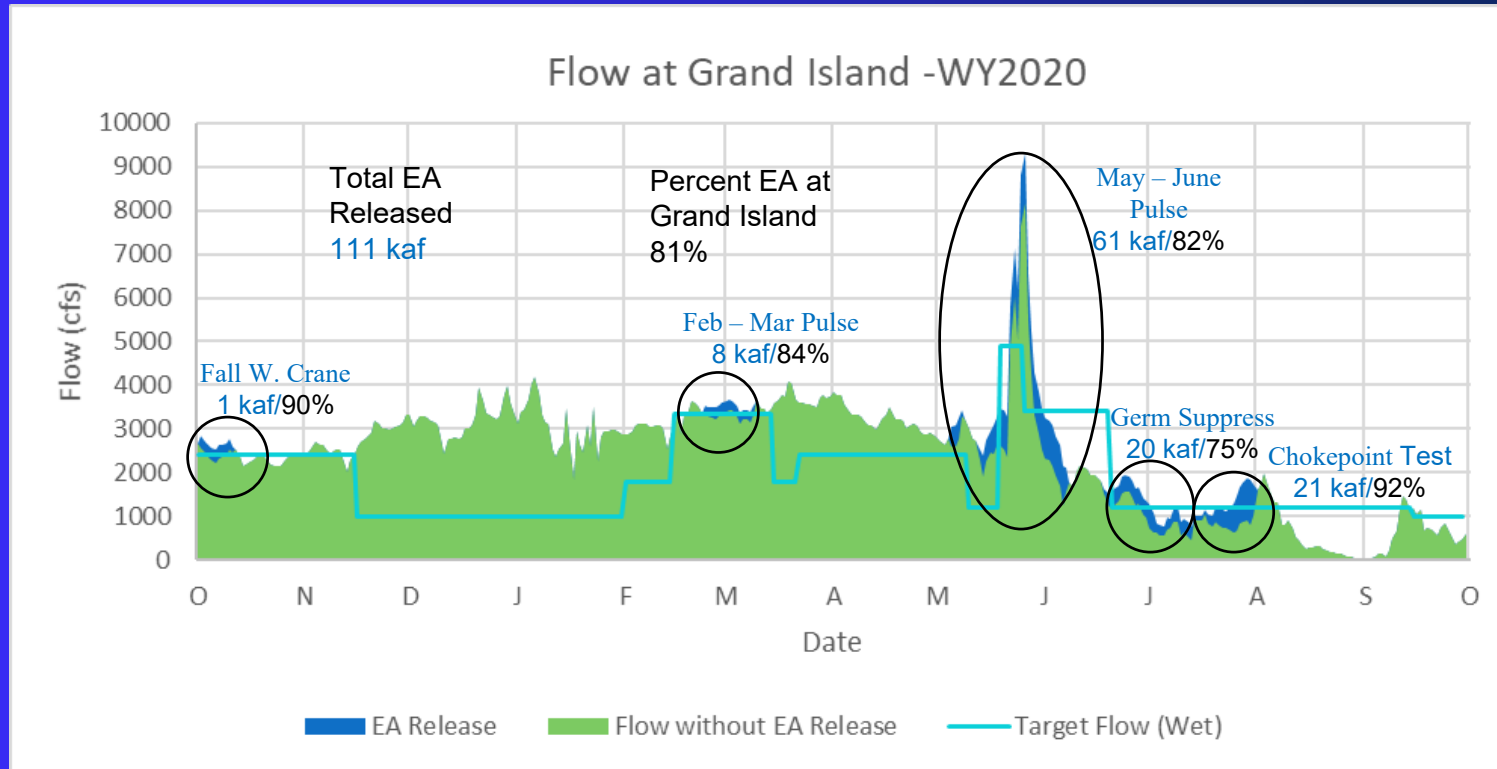
<i>Source</i>	<i>2020</i>	<i>2021</i>
Sep 30 Carryover	131,791 (2019)	116,289 (2020)
CPNRD Lease (Delivered Oct 1)	14,096	14,073
NCCW (Delivered Oct 1)	314	314
CNPPID Lease (Delivered Oct 1)	2,201	2,242
NPPD Lease (Delivered Oct 1)	3,121	3,306
Oct 1 Volume	151,523	136,224 (est)
10% Storable Natural Inflows (Oct – Apr)	63,902	46,700(est)
Pathfinder (EA & WY)	35,322	29,841 (est)
Evaporation, Seepage and other Losses	-23,069 (10,552 other: Oct, Nov, Apr)	-9,034 (est)
EA Released	-111,390	NA
Sep 30 EA Carryover	116,289	203,731 (est)



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WY2020 EA Releases and Grand Island Flow



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WY 2021 Priority Releases

<i>Dates</i>	<i>Target Flow (cfs)</i>		<i>Purpose</i>	<i>Priority</i>	<i>Median for Normal/Dry Shortage (kaf)</i>
	Wet/Normal	Dry			
Feb 15-Mar 15	3,350/3,350	2,250	Channel maintenance, wet meadow recharge	Medium	87.9/61.0
Mar 23-May 10	2,400/2,400	1,700	Whooping crane	High	83.9/82.8
May 20 -Jun 20	3,400/3,400	800	Channel maintenance	High	153/23.5
Jun 21 – Sep 15 ¹	1,200/1,200	800	Terns & plovers, and aquatic community	Medium	127/126

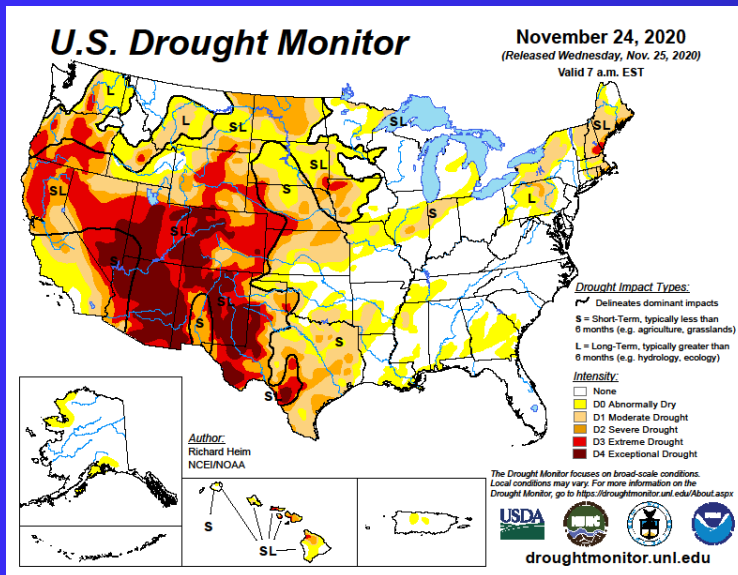
¹Flows may be increased to 2,000 cfs, through mid-July, to test germination prevention.



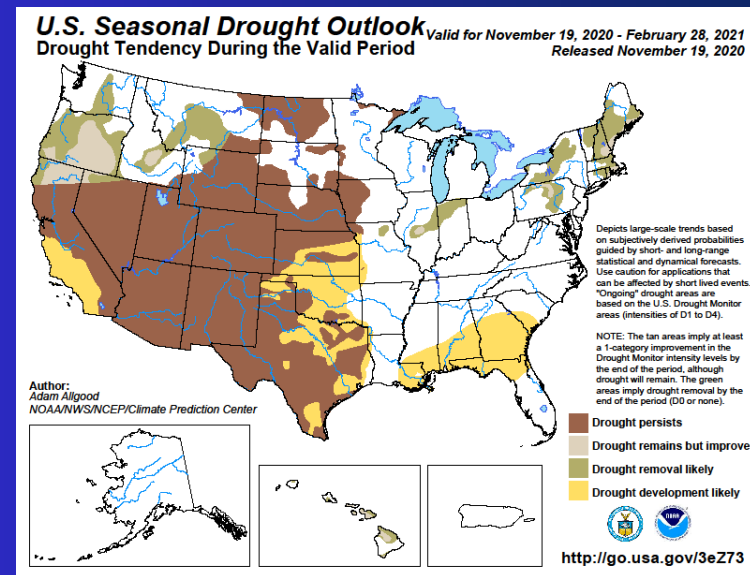
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Drought conditions to persist



November 24, 2020 conditions



Outlook to end of February 2021



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Summary

- Spring whooping crane and channel maintenance (including germination suppression) releases are high priorities
- Drought conditions thru end of February
- Significant shortages possible in 2021
 - Median shortages for high priority releases (excluding germination prevention)
 - Normal years ~237 kaf
 - Dry years ~106 kaf



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