



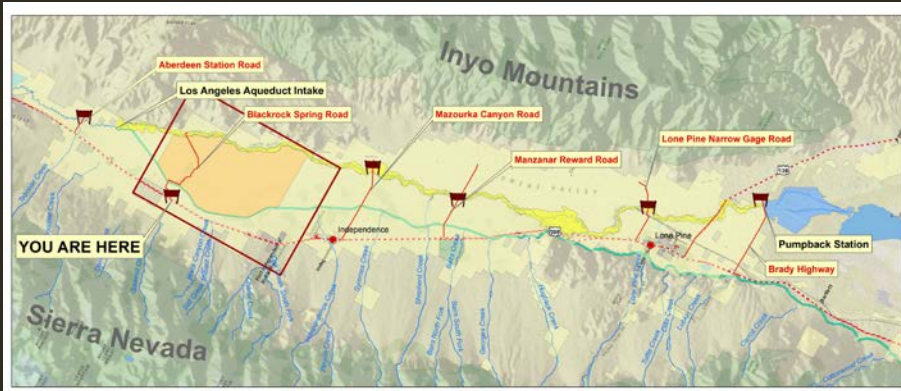
BLACKROCK WATERFOWL MANAGEMENT AREA

INTERIM MANAGEMENT AND MONITORING PLAN

March 2021

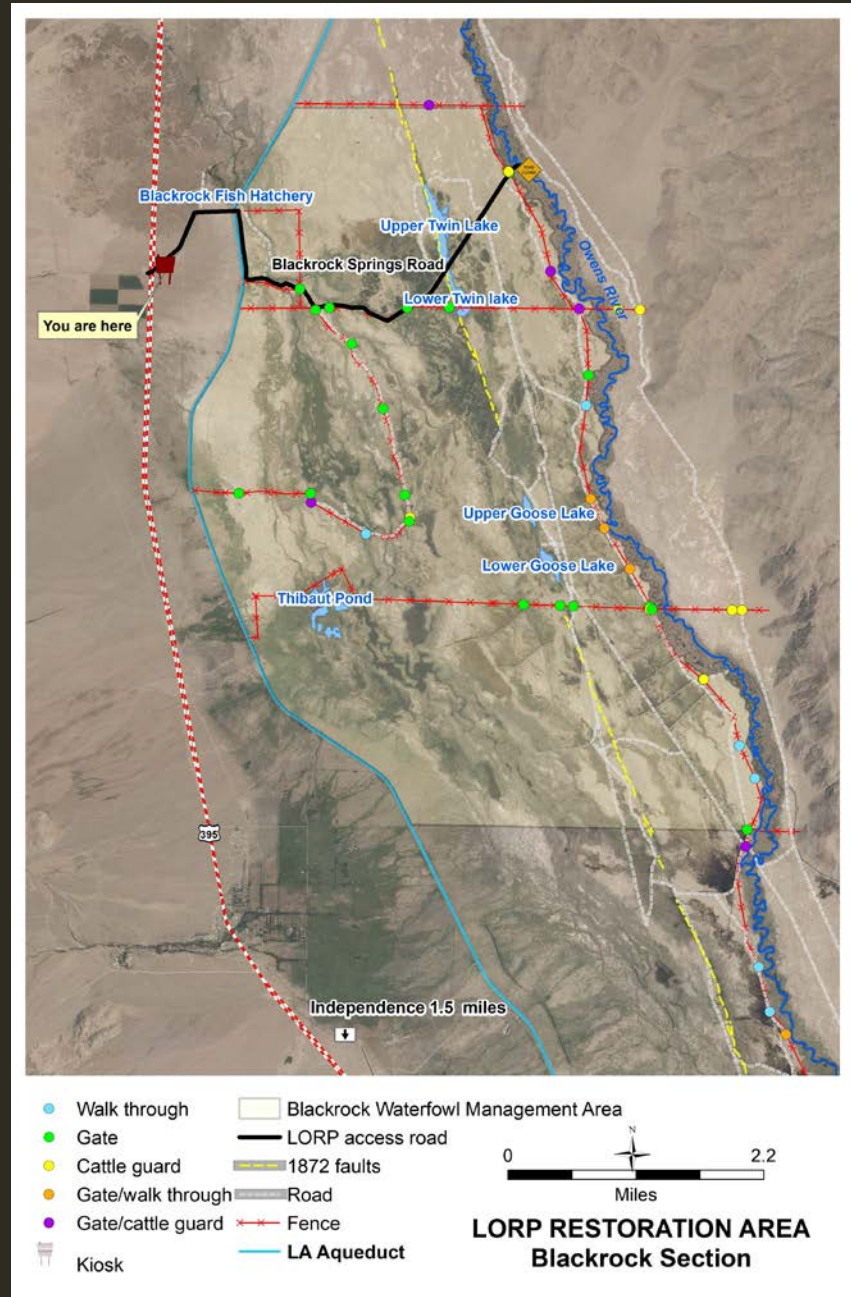


BWMA MANAGEMENT UNDER THE LORP



Management of the BWMA to date has come from 1997 MOU and 2004 LORP EIR

- Goals are to create and maintain habitat for LORP Habitat Indicator Species
- To do so through flow and land management
- Provide opportunities for resident and migratory waterfowl populations



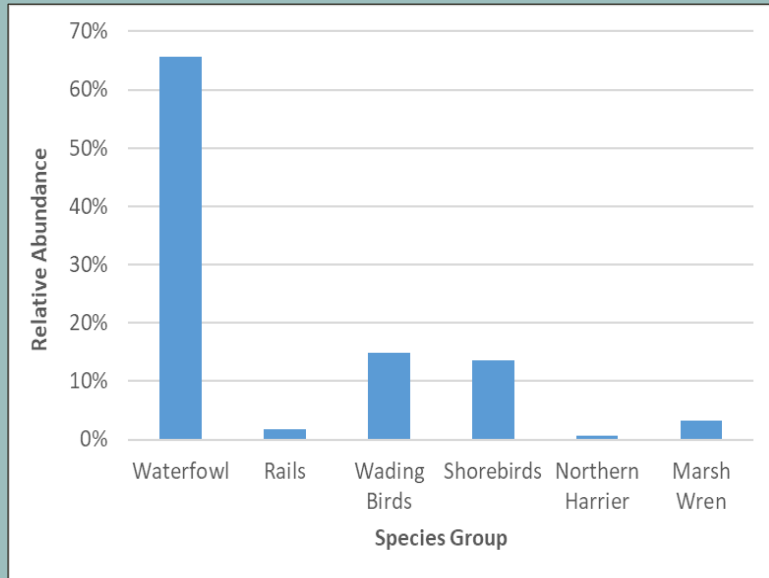
FLOODED ACREAGE TO DATE AND RESPONSE OF YEAR ROUND FLOODING

Blackrock Waterfowl Management Area				
Runoff Year	Runoff Forecast (% normal)	Flooded Acreage Requirement	Cells Flooded	Average Acreage Flooded
2007-2008	58%	290	Winterton and Thibaut	477
2008-2009	86%	430	Winterton and Thibaut	494
2009-2010	71%	355	Drew and Waggoner	385
2010-2011	95%	475	Drew and Waggoner	669
2011-2012	150%	500	Drew and Winterton	480*
2012-2013	65%	325	Drew	327
2013-2014	54%	270	Drew	308
2014-2015	50%	250	Drew	275
2015-2016	36%	180	Winterton	234
2016-2017	71%	355	Winterton and Thibaut	530
2017-2018	197%	500	Winterton and Thibaut	700+
2018-2019	78%	390	Winterton and Drew	423
2019-2020	137%	500	Winterton, Drew, and Thibaut	500+
2020-2021	74%	370	Winterton and Drew	TBD

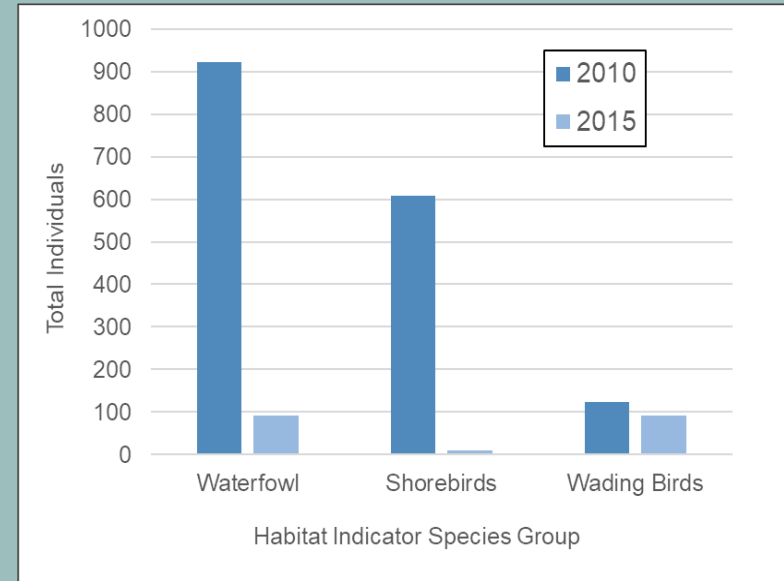


Drew Unit 2004, 2010, 2018

Flooding of BWMA under LORP has attracted up to **60 Habitat Indicator Species**, including 23 waterfowl, 22 shorebird, and 9 wading bird species.



The relative abundance of each Habitat Indicator Species group BWMA; 2009-2018



A comparison of total Habitat Indicator Species use in Year 2 vs. Year 7 of active flooding of the Drew Unit

HABITAT INDICATOR SPECIES TRENDS



Gadwall



Black necked stilt



Cinnamon teal

Five year Interim Plan will

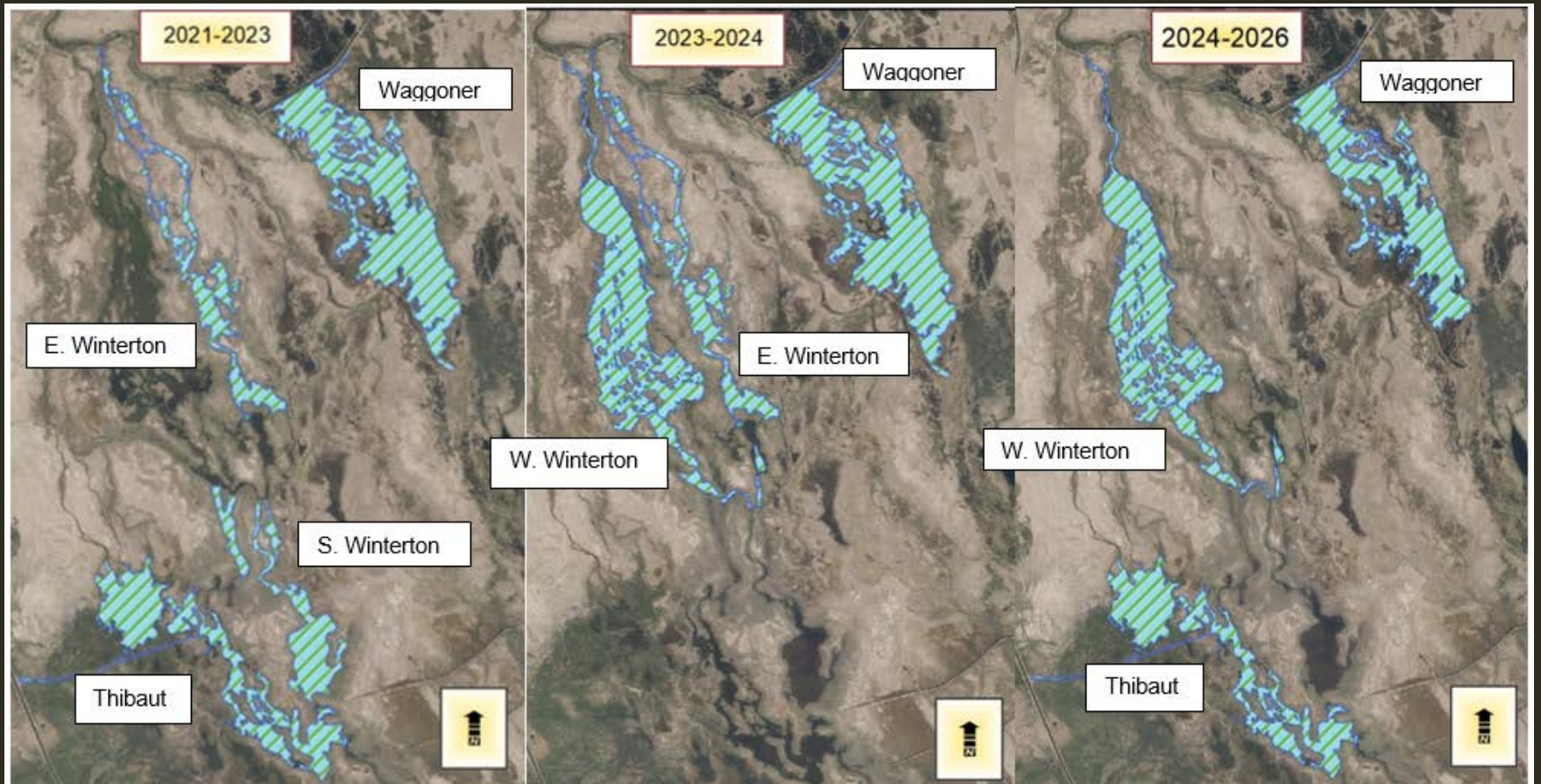
- Incorporate seasonal flooding regime with sustained flooding from fall through mid-spring with a drawdown during the summer growing season.
- Discontinue variable flooded acreage
- Incorporate moist soil management where needed to further enhance waterbird food resources.

BWMA INTERIM MANAGEMENT AND MONITORING PLAN



American avocet

PROPOSED SEASONAL FLOODING SCHEDULE 2021-2026



EFFECTIVENESS MONITORING

- Flooded Extent Monitoring
- Vegetation Monitoring
- Water Depths in Flooded Units
- Avian Monitoring

Avian Survey Schedule for Interim Plan

Unit	Project Year and Survey Schedule				
	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
East Winterton	X	X	X		
West Winterton			X	X	X
South Winterton	X	X			
Thibaut	X	X		X	X
Waggoner	X	X	X	X	X

8 seasonal surveys will be conducted at the locations and years designated by X

Plan Review Schedule

- Interim Plan Released to MOU Parties February 5, 2021
- Inyo County and LADWP hosted meeting with MOU Parties February 17, 2021 to discuss preliminary thoughts on Interim Plan
- Comments received; LADWP and Inyo County responding to comments and revising Interim Plan as needed

Next Steps

- Revise plan; recirculate to Parties
- Draft necessary legal documents(s)
- MOU Party approval
- Standing Committee approval at May 2021 meeting

IMPLEMENT!

PLAN REVIEW AND NEXT STEPS

