



Impacts of Transbasin Diversions and the C-BT Project

Water Resources and Agriculture Review
Committee

August 4, 2022



Overview



AREAS OF
CONCERN



COLLABORATION



ON-GOING
INITIATIVES



ADAPTIVE
MANAGEMENT

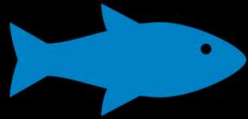


LIFE AFTER
WILDFIRES



OTHER
CONSIDERATIONS

Areas of Concern



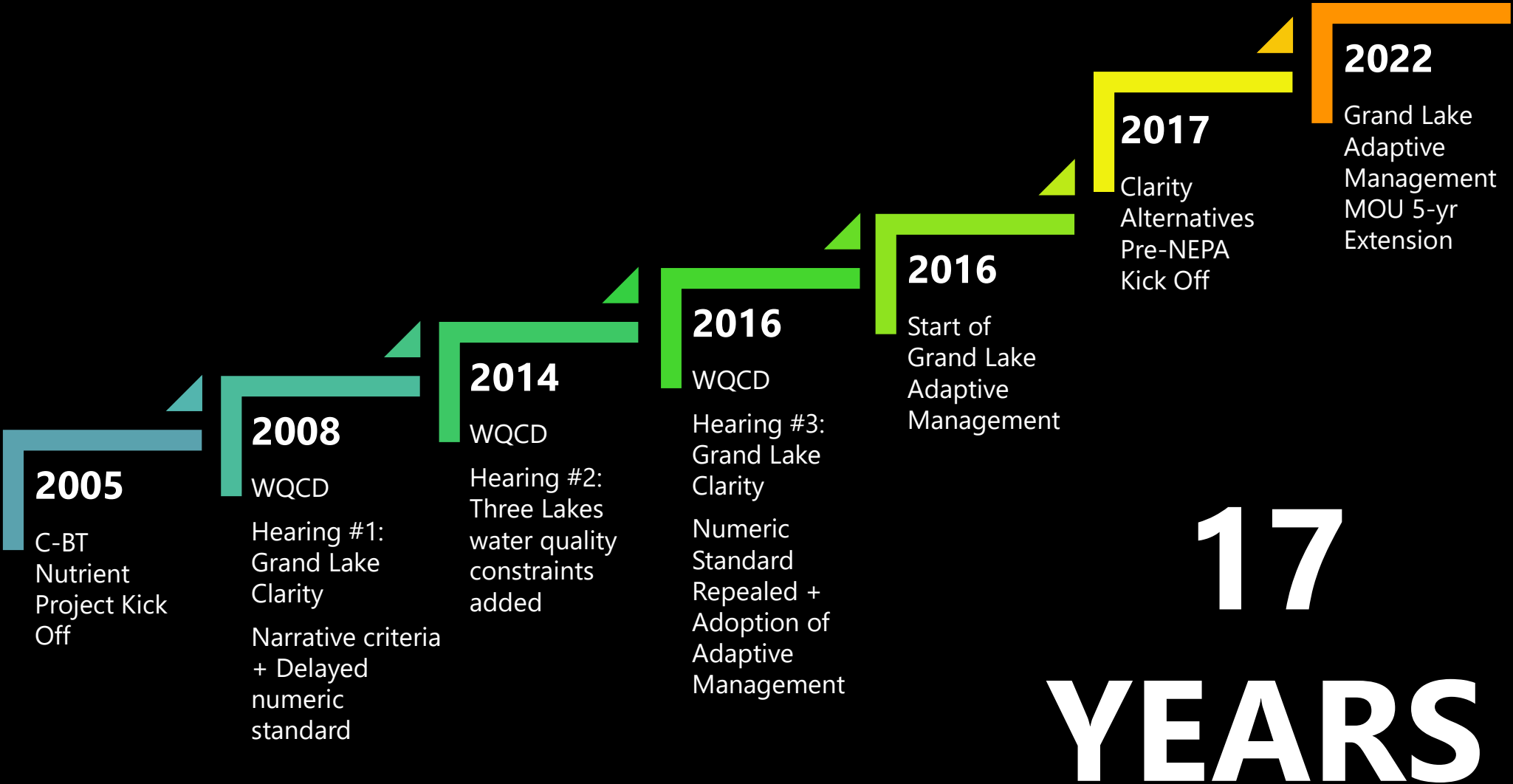
Colorado River

Water Temperature
Aquatic Life
Riparian Vegetation
River Health
Sediment Transport



Three Lakes

Grand Lake Clarity
Algal Productivity
Sediment
Dissolved Oxygen
Aquatic Weeds



**17
YEARS**

Stakeholders Involved (26)

8

Federal

4

State

11

Local Government

3

non-profits

USBR

USACE

EPA

Federal Highways

RMNP

FWS

USFS

USGS

WAPA

WQCD

DNR

CDOT

CPW

River District

Grand County

Estes Valley Rec & Park

Larimer County

Middle Park Cons Dist

Northern Water

NWCCOG

PRPA

Estes Park

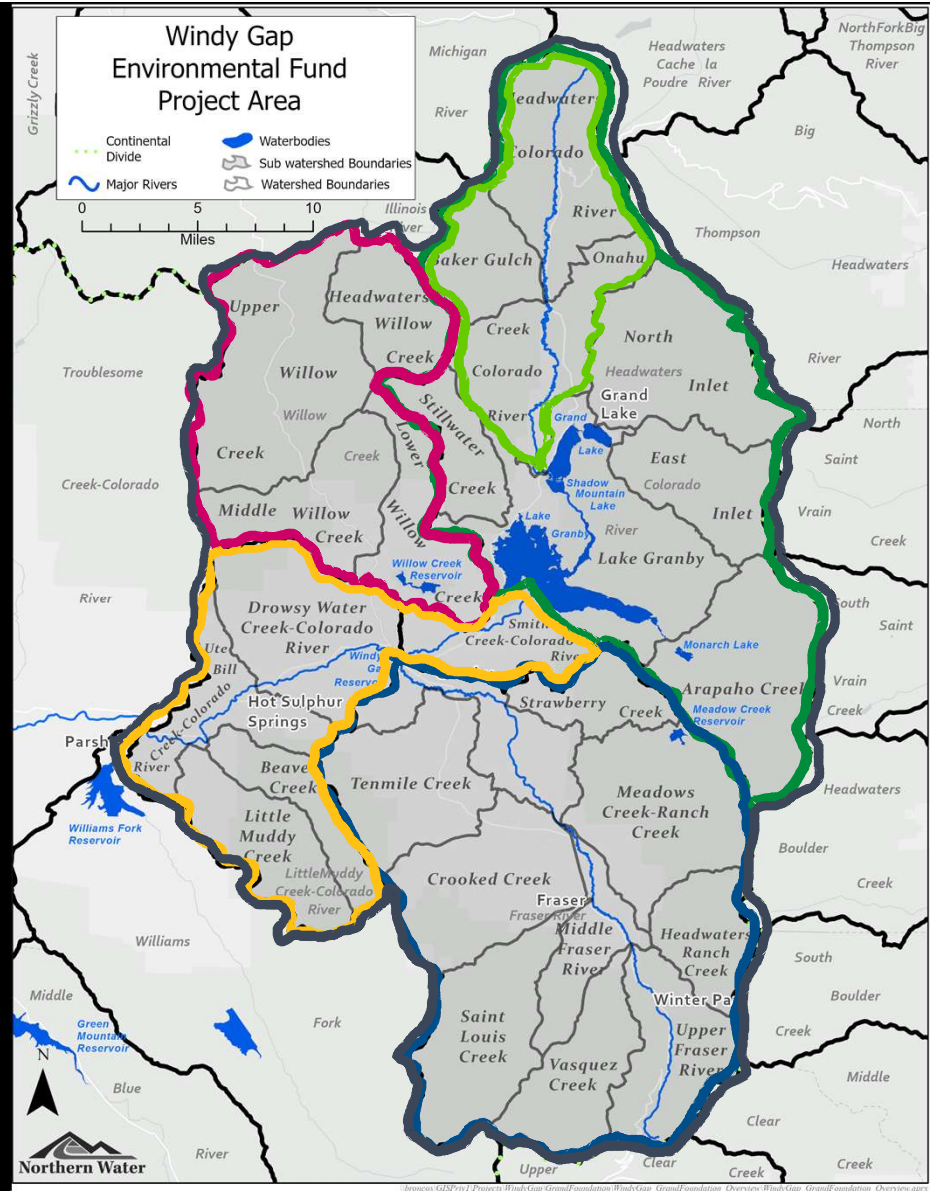
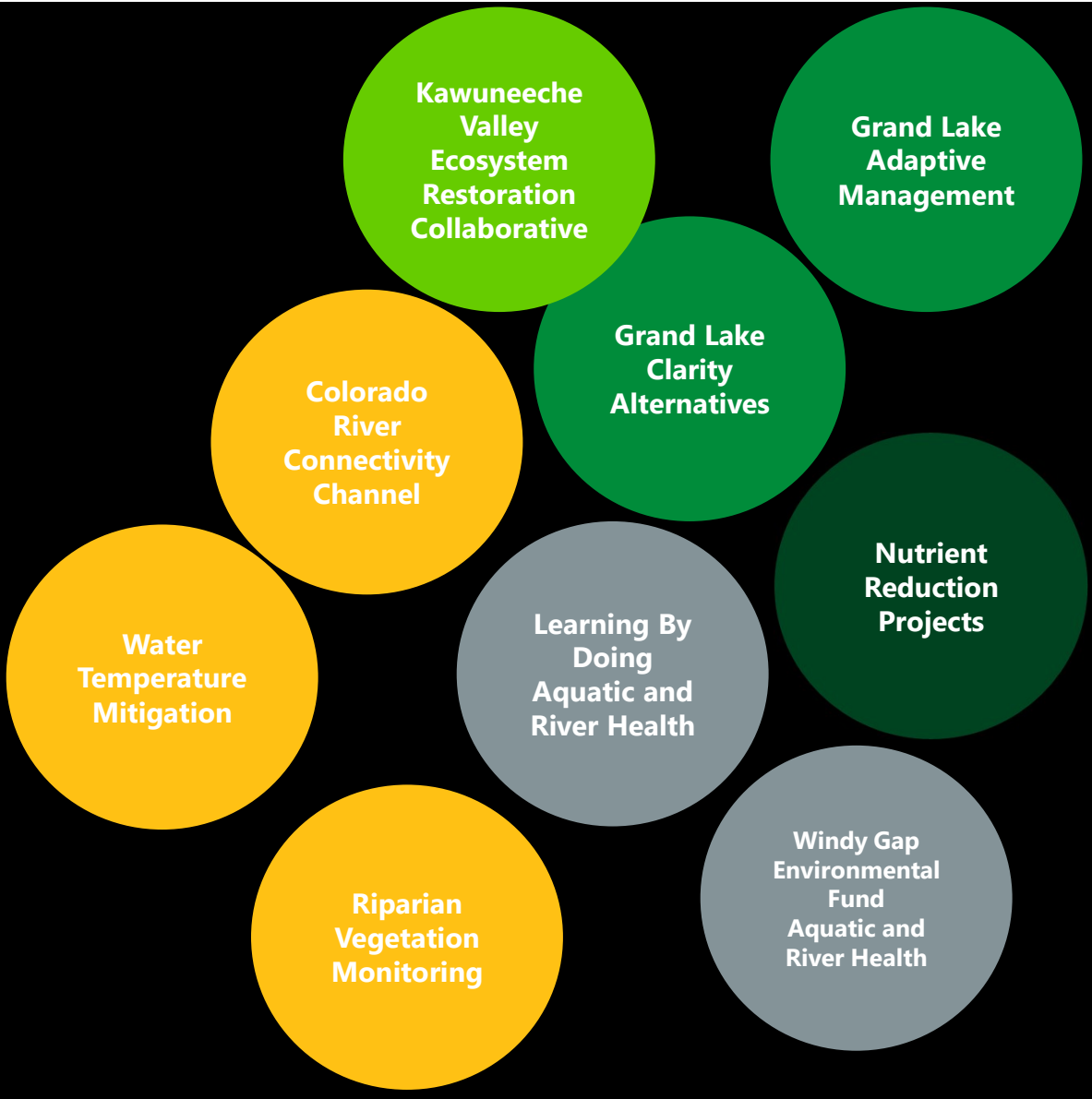
Grand Lake

TLWA

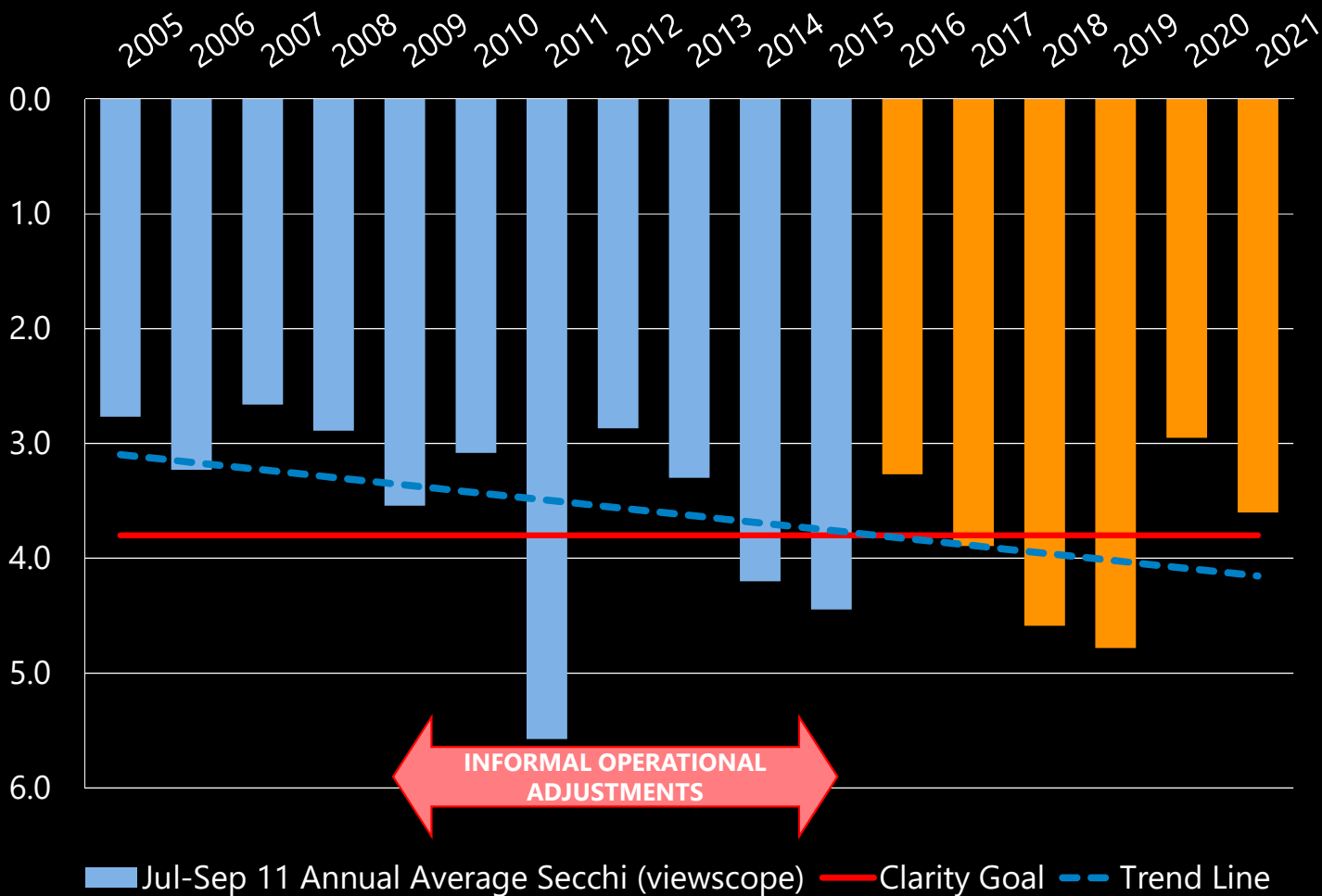
Town of Grand Lake

UCRWG

GCWIN



Jul-Sep 11 Seasonal Annual Average Secchi with viewscope (meters) based on GL-ATW, GL-MID and GL-WES daily mean



% of Years Goal Met over 17 Years	35%
% of Years Goal Met in last 5 years	60%



EAST TROUBLESOME POST-FIRE WATER QUALITY IMPACTS



North Inlet
Aug 3, 2021



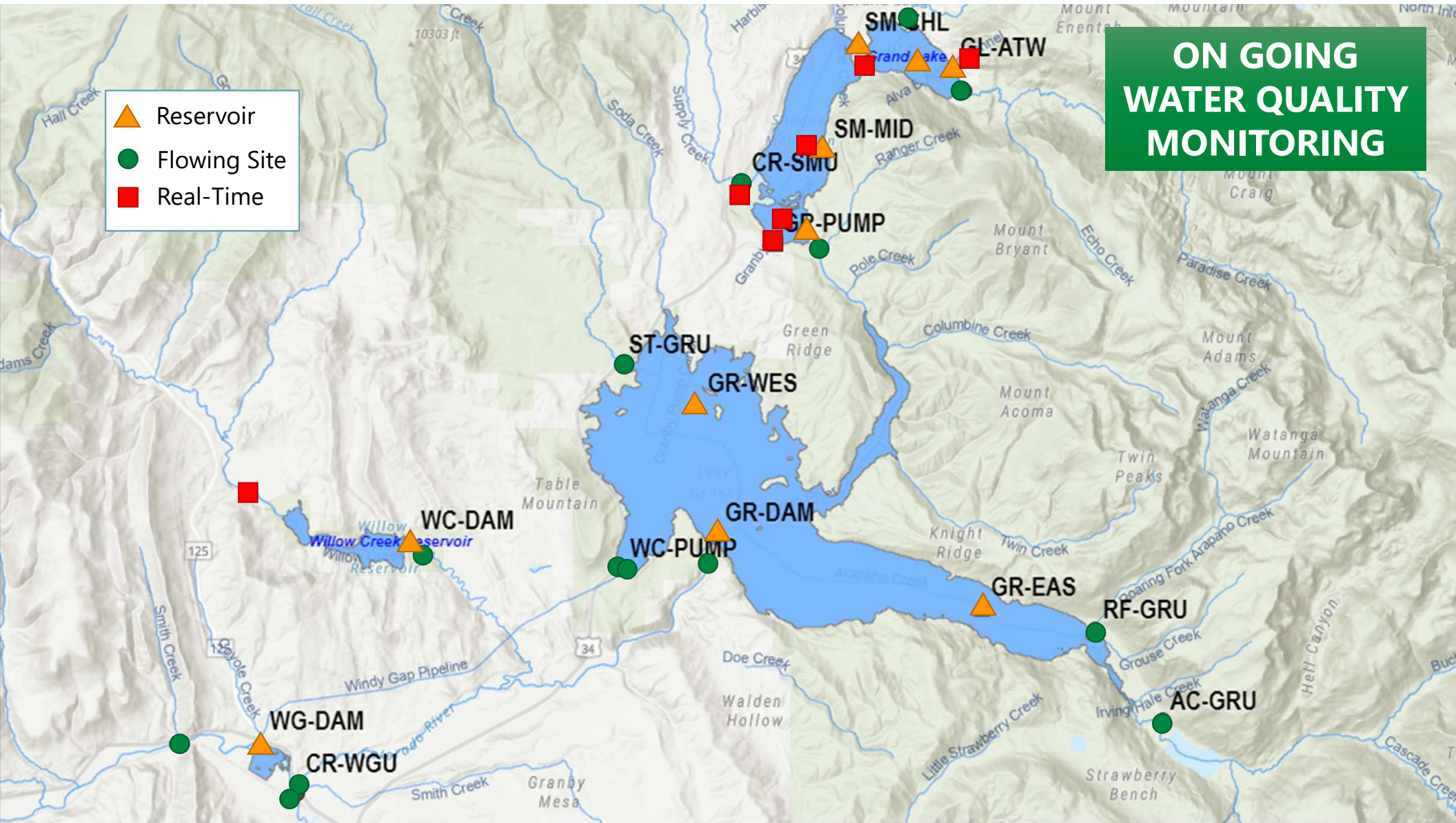
North Inlet Samples,
Aug 4, 2021



Aug 4, 2021
Grand Lake Beach

ON GOING WATER QUALITY MONITORING

- ▲ Reservoir
- Flowing Site
- Real-Time



Other Considerations

What State agency would oversee the Study?

How would the State Study be funded?

State lacking expertise with engineering and operating water supply projects

Necessity of Federal process regardless of State Study outcome

Focus on CBT omits other significant influences in the watershed

Northern Water is committed to...



...actively engaging the Grand Lake Adaptive Management process and all other initiatives discussed earlier



...a robust process to evaluate Grand Lake Clarity alternatives

Supplement No. 10 aka Clarity Supplement



actively participate in the process of identification development, and evaluation of factors, causes, and actions that affect clarity in Grand Lake;



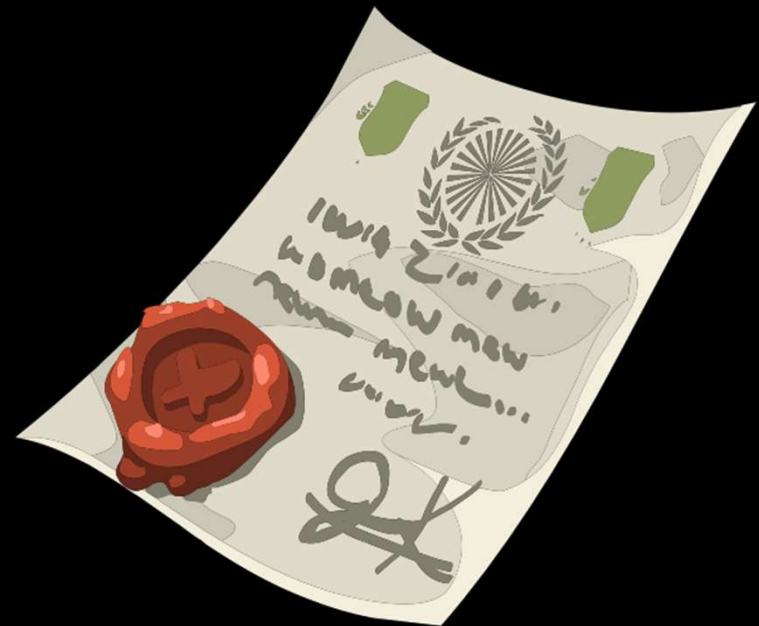
collaborate with each other and other appropriate parties and groups to identify, develop, and evaluate specific proposed actions to meet applicable water clarity standards in a manner that recognizes the relative contributing factors that affect Grand Lake water clarity, in order to allow for, as appropriate, recommendations by the Parties for specific actions to meet applicable water clarity standards at Grand Lake, including participation in further studies designed to identify specific factors affecting clarity;

Windy Gap Firming Project 1041 Permit – Condition 7

Ties to agreements committing
Northern Water and Reclamation to
continuing

Technical
Investigations

Evaluation of
alternatives



Thank you



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