Columbia River Basin Dreissenid Monitoring Forum

JANUARY 2019

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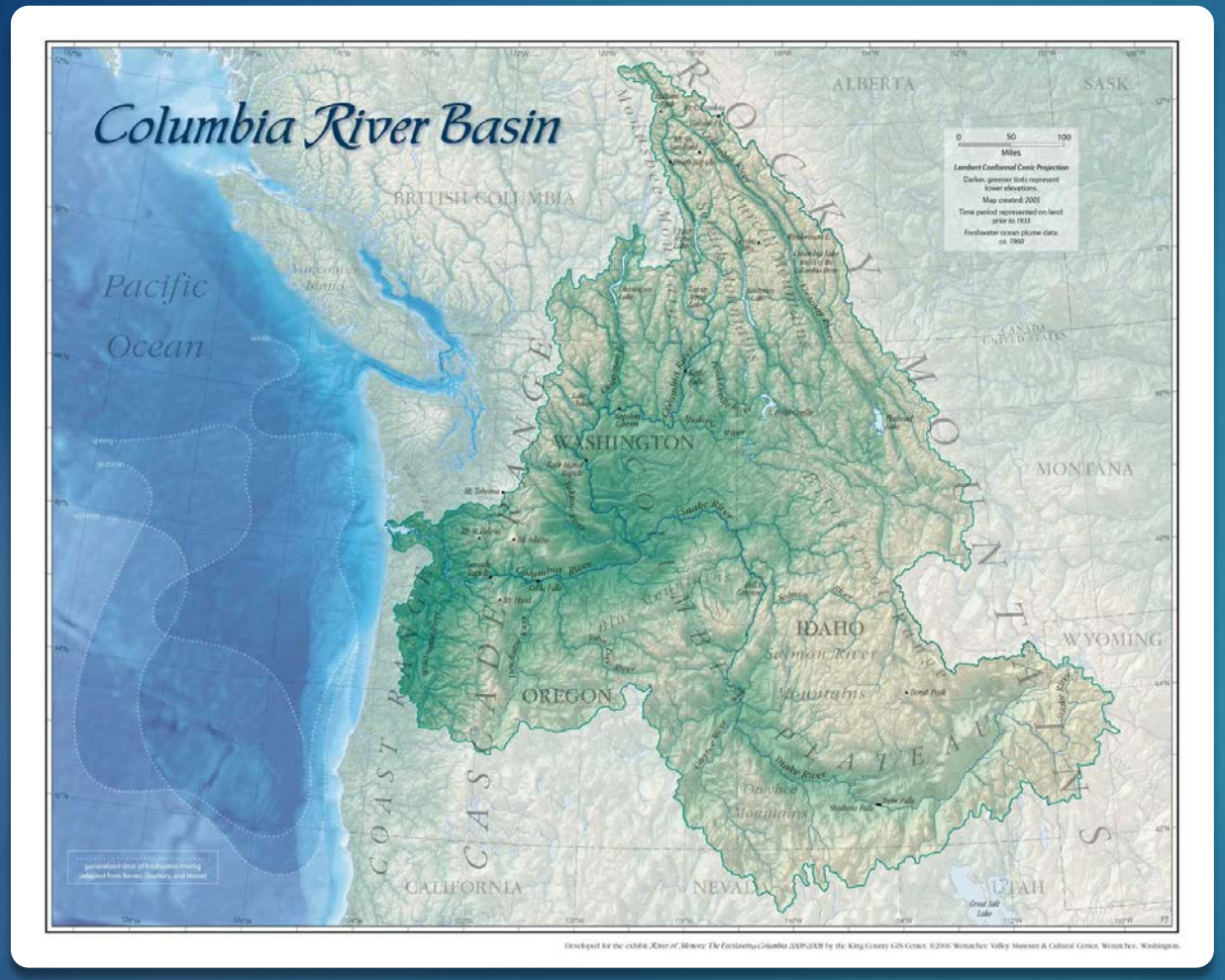
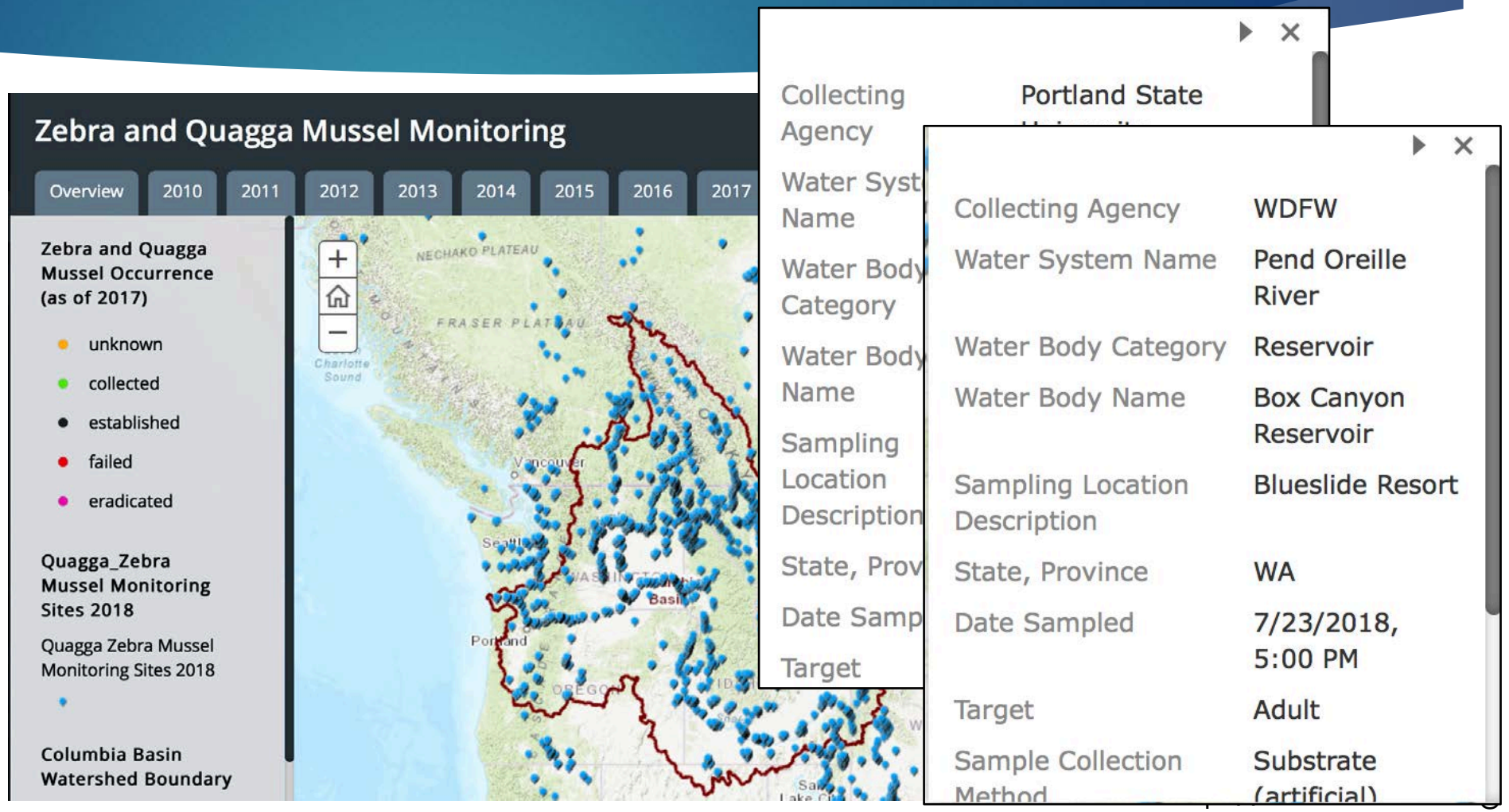
Agenda

- Introductions
- Monitoring updates
  2019 results and 2020 plans
- 2019 Monitoring Map
- Regional risk assessment model:
  - Incorporating monetary/non-monetary valuation of natural resources
- Wrap Up
- Next Steps



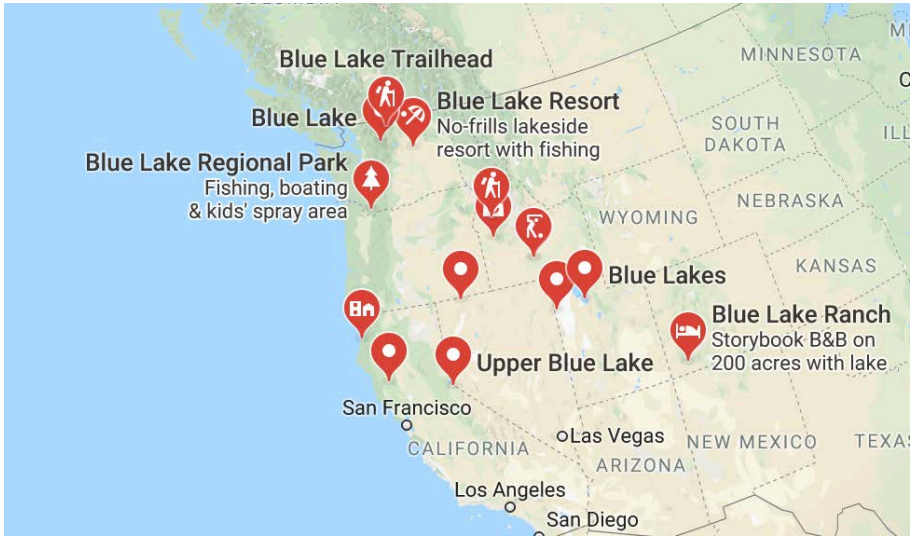
Monitoring Updates: 2019 Results and 2020 Plans

Regional Mapping

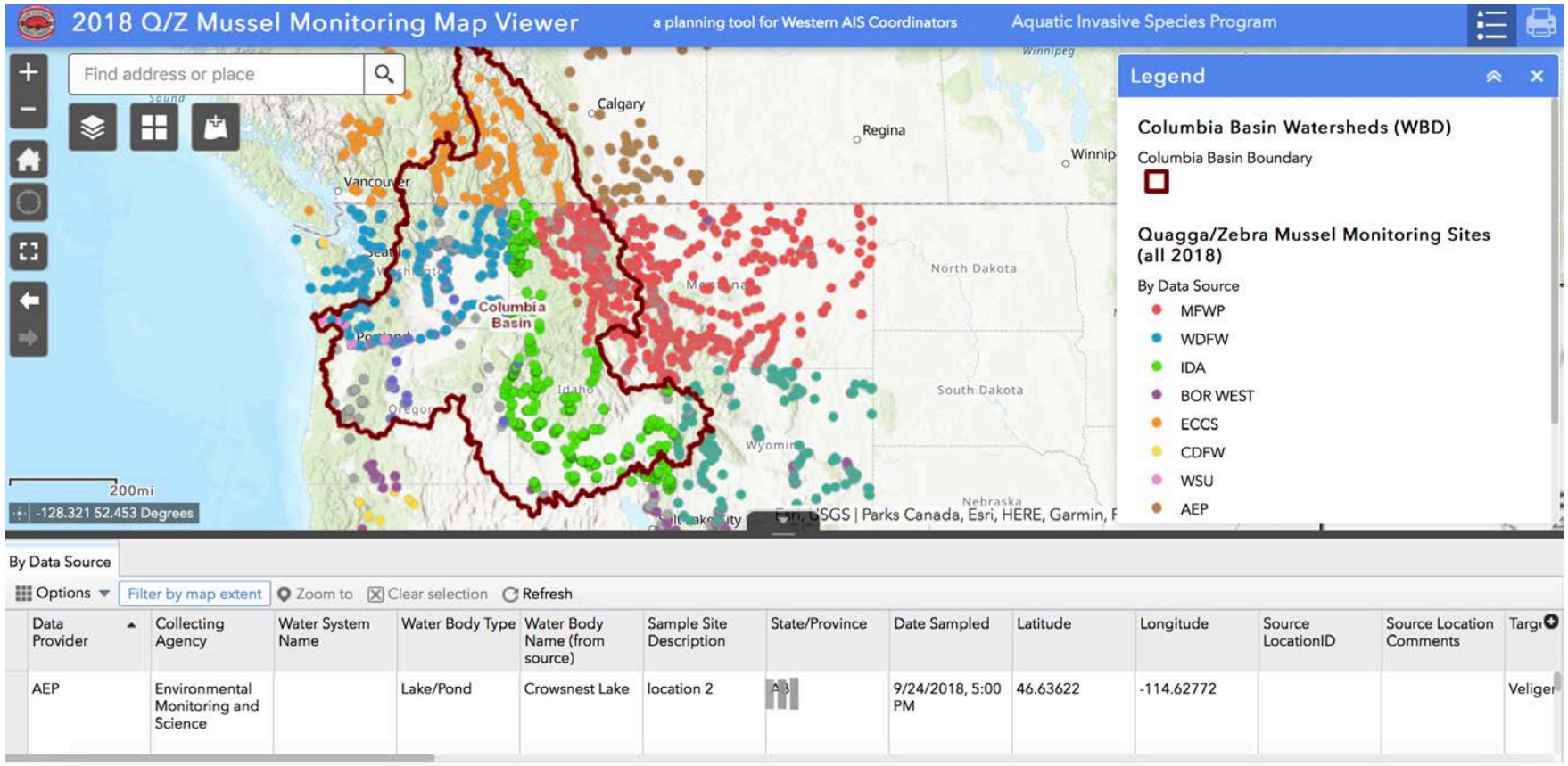


2018: Changes to Data Call

- Validation of Location Data
  - Assign unique spatial references (identifiers) to each water body
  - Strive to provide coordinates with the highest confidence
  - Cross reference location data to validate accuracy
    (ex: in case of transposition errors in recording lat/longs)
  - Tied to internal agency names/modifiers
  - => More advanced data analyses,
    additional data layers



Monitoring Data as Planning Tool



Data Provider	Collecting Agency	Water System Name	Water Body Type	Water Body Name (from source)	Sample Site Description	State/Province	Date Sampled	Latitude	Longitude	Source LocationID	Source Location Comments	Targ
AEP	Environmental Monitoring and Science		Lake/Pond	Crowsnest Lake	location 2	AB	9/24/2018, 5:00 PM	46.63622	-114.62772			Veliger

2019 CRB Monitoring Data Survey

Do states need this information for planning purposes? If so, when?

What is the ideal timing of data request/submission?

Do data requests/formats match up with data collection formats?

What are the biggest barriers and bottlenecks to data submission?

What can we do better?

2019 CRB Monitoring Data Survey – Results

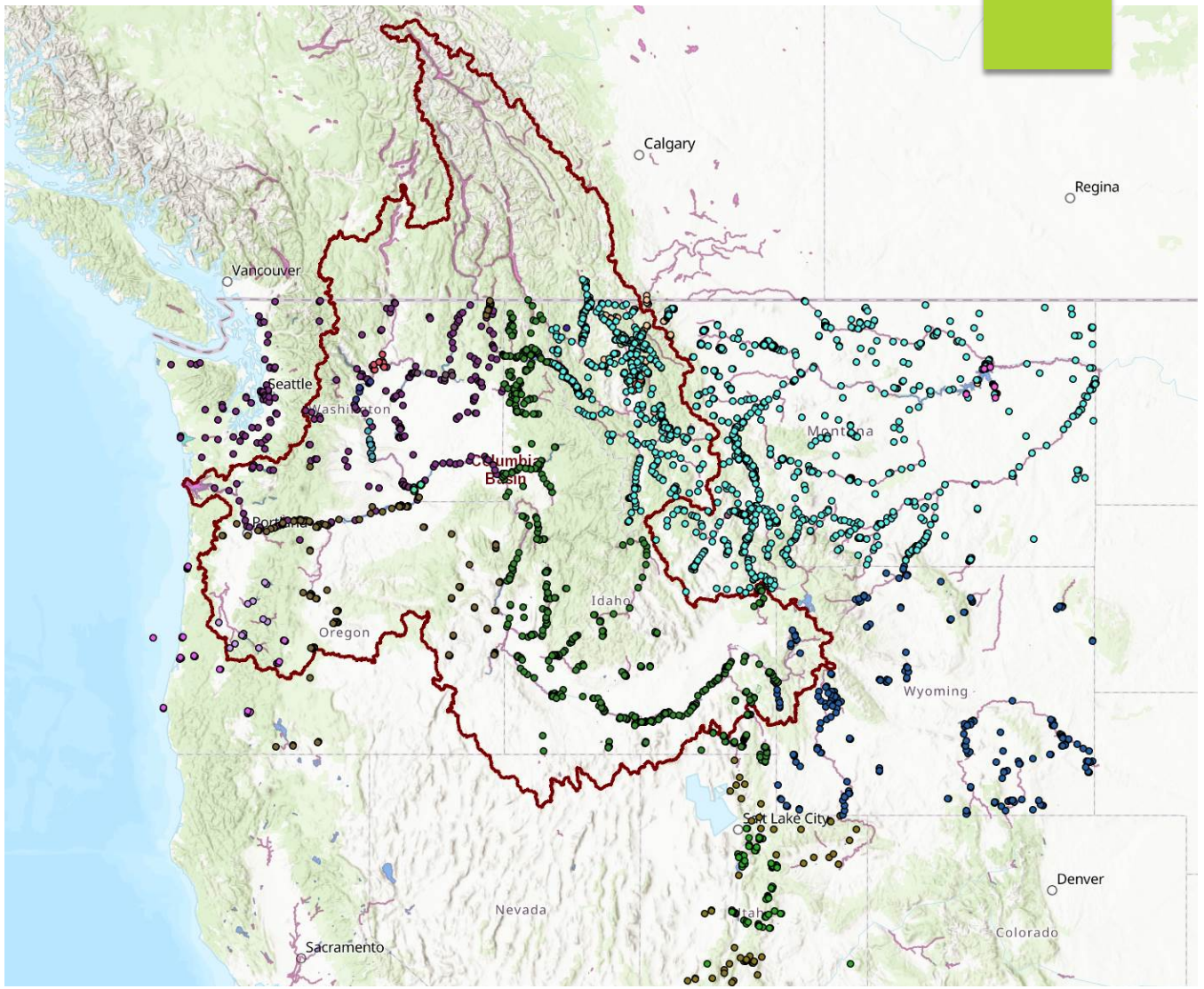
- Changed the timing of:
  - Spreadsheet distribution
  - Data call
  - Initial mapping
- Tweaked our spreadsheet categories
- Evaluated potential other options for reducing burden, addressing QA/QC, etc.

2019 CRB Monitoring Data

- Do states need this information for planning purposes? If so, when?
- What is the ideal timing of data request/submission?
- Do data requests/formats match up with data collection formats?
- What are the biggest barriers and bottlenecks to data submission?
- What can we do better?

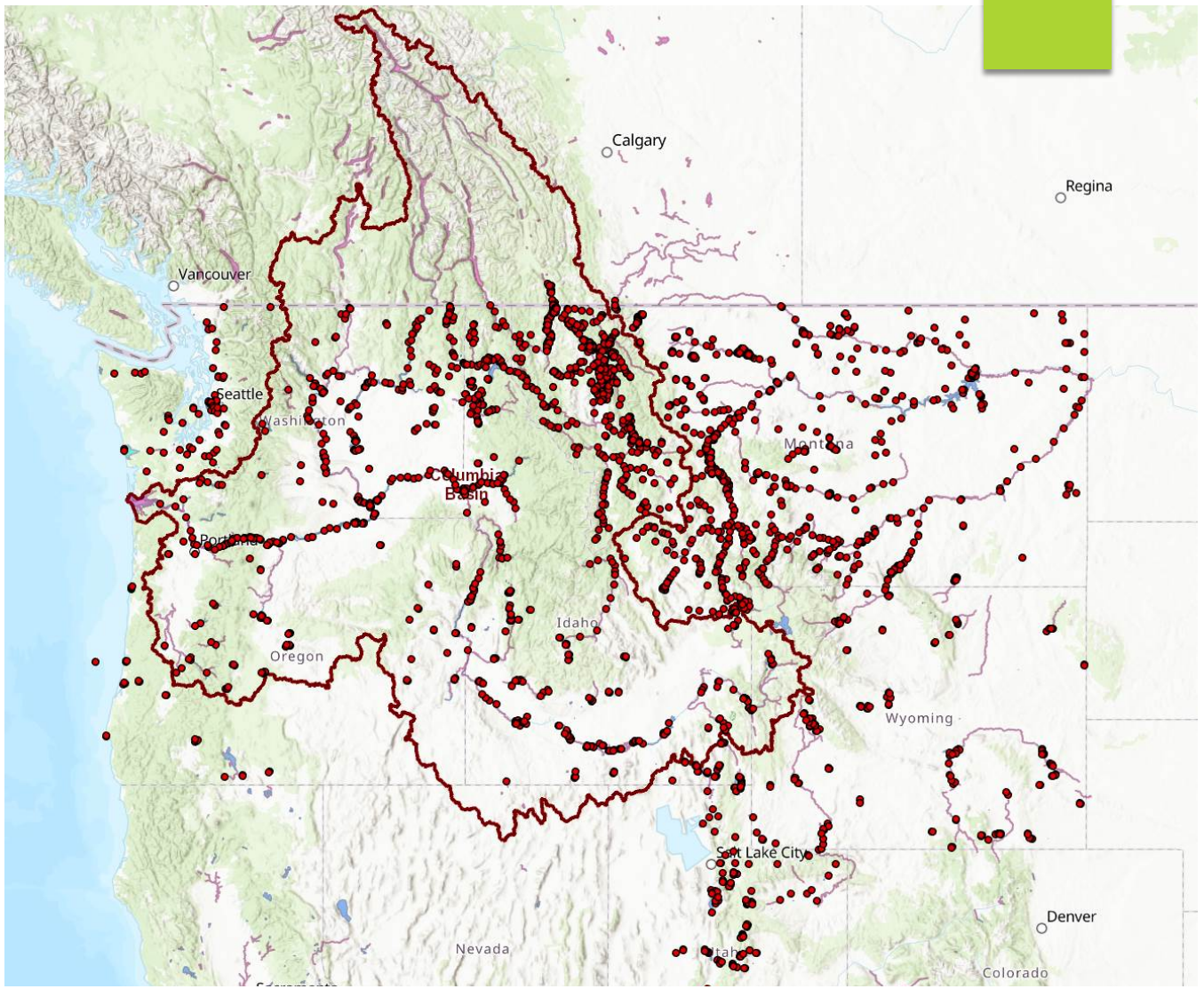
2019: Preliminary Mapping Results

- All 2019 sampling*



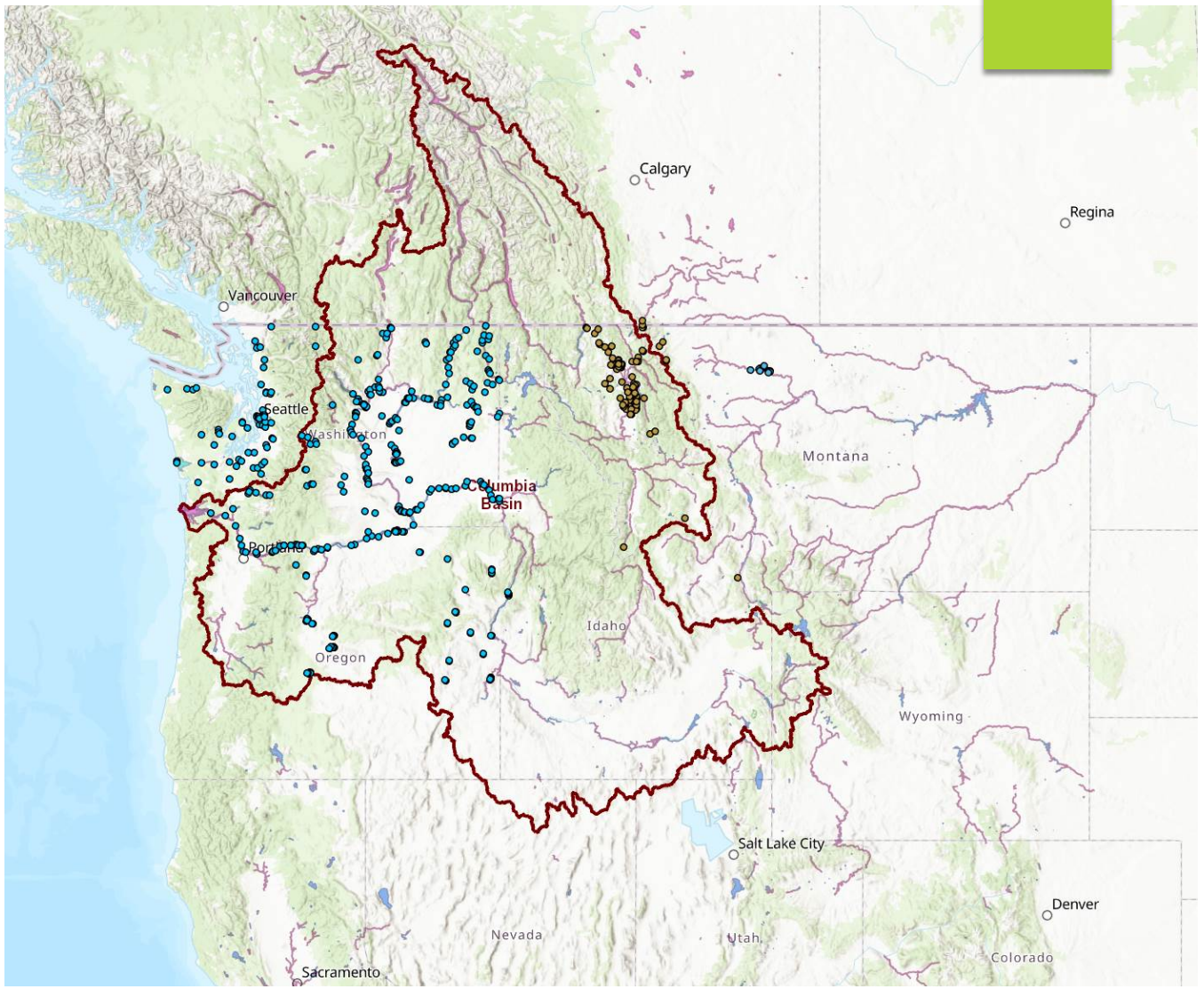
2019: Preliminary Mapping Results

- All plankton tows



2019: Preliminary Mapping Results

- All eDNA sampling

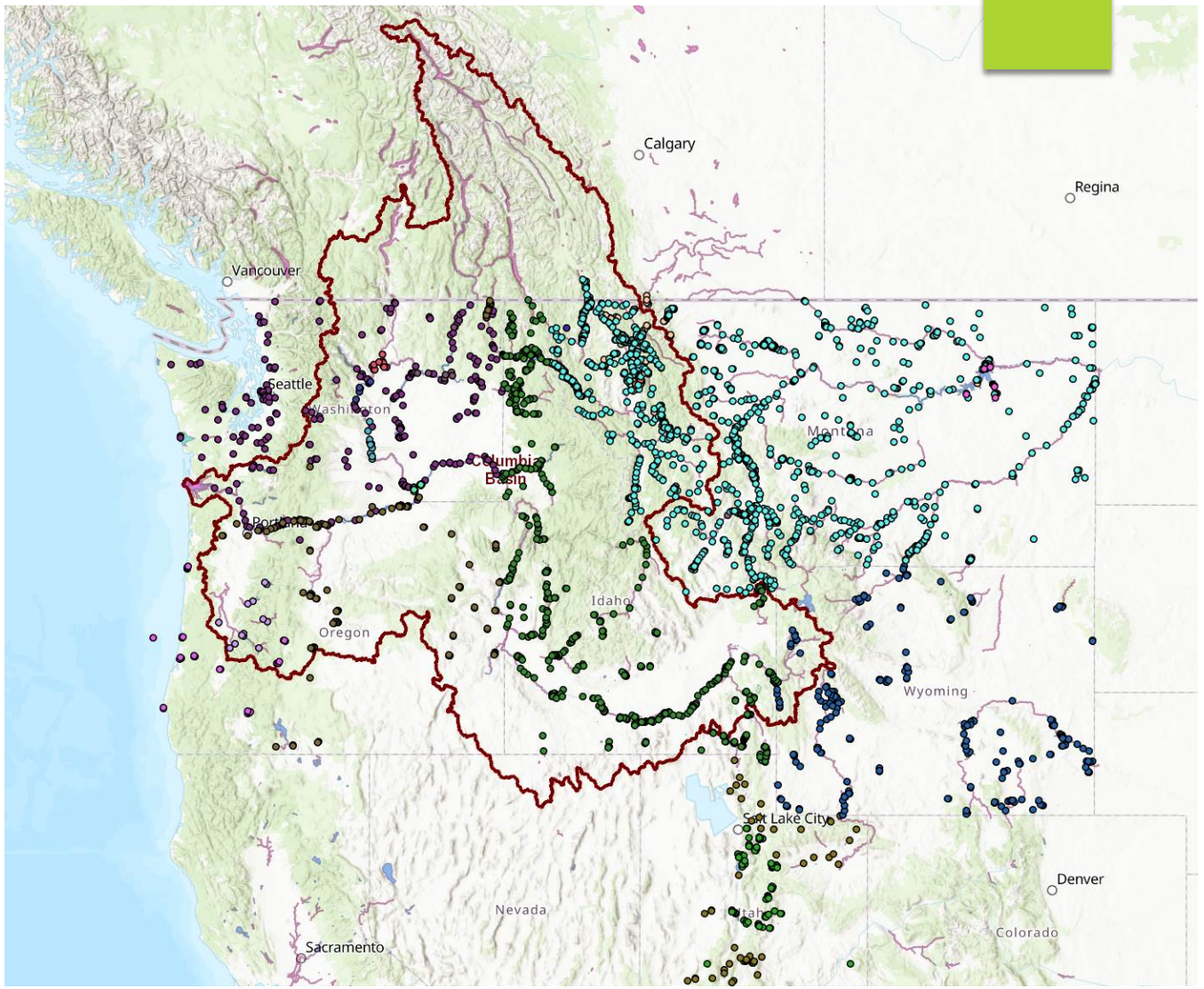


2020:
How can we make the process easier?

2020:
Are we collecting/mapping the right data to answer your questions?

Preliminary Mapping Questions

- Comparability ~50 vs ~26,000
- Data standardization?
- How do you measure effort?
- Seasonality?
- Repeat samples?



Next Columbia River Basin Dreissenid Monitoring Forum

Incorporating monetary/non-monetary valuation of natural resources into a regional risk assessment model

Next Steps