



CEDEN User Group Agenda

Date: Thursday, December 11, 2025

Time: 10:00 - 11:00 AM

Location: Remote attendance only
Microsoft Teams information at end of agenda

Facilitator: Tessa Fojut

[Meeting Recording](#)

Topic	Time
Welcome	10:00 - 10:05
1. Proposed updates to Vocab Request Template and Business Rules <ul style="list-style-type: none"> • Business rules for species-specific PCR analytes • Methods – new business rules for SM and ASTM for new requests • Guidance for Program/ParentProject/Project 	10:05 - 10:15
2. Matrix Updates <ul style="list-style-type: none"> • Propose new matrix of “stormwater” to distinguish stormwater effluent from wastewater effluent • Propose updating blankwater description and end-dating labwater 	10:15 - 10:35
3. CEDEN 2.0 Status Update	10:35 - 10:55
Wrap-up and adjourn <ul style="list-style-type: none"> • Review action items • Topic suggestions for next meeting 	10:55 - 11:00
Next Meeting: March 19, 2026	

For accommodation, email to CEDEN@waterboards.ca.gov

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CEDEN User Group



December 11, 2025

Agenda

- Welcome
- Proposed updates to Vocab Request Template
- Matrix Updates
- CEDEN 2.0 updates
- Wrap-up and Adjourn

Welcome & Introductions

- CEDEN Database Manager: Tessa Fojut
- CEDEN Vocabulary Management Team
 - Jennifer Salisbury
 - Candice Heinz
 - Tessa Fojut
- CEDEN 2.0 Lead Staff: Keenan Smith
- **Contact:** ceden@waterboards.ca.gov

1. Updates to Vocabulary Business Rules

Business rules for species-specific PCR analytes

AnalyteName	AnalyteDescription
[Target organism], [DNA Source] ([Assay name or target gene])	[Target organism] [DNA Source], Assay Name or Target Gene: [Assay Name or Target Gene], [forward primer sequence], [reverse primer sequence], [probe primer sequence (if available)]

The DNA Source must be either Mitochondrial, Nuclear, or Chloroplast DNA.

Example:

AnalyteName	AnalyteDescription
Chicken/Duck, Mitochondrial DNA (cytb)	Chicken/Duck Mitochondrial DNA, Target gene: Cytochrome b, 5'-AAATCCCACCCCCTACTAAAATAAT-3', 5'-CAGATGAAGAAGAATGAGGCG-3', 5'-FAM-ACAACCTCCCTAATCGACCT-NFQ-MGB-3'

1. Updates to Vocabulary Business Rules

- Method and DigestExtract
 - Updated formatting for Standard Methods (SM) and ASTM for methods newly requested
 - Not changing existing methods at this time, but will in CEDEN 2.0
 - Aligning with ELAP and USEPA naming conventions for these methods

1. Updates to Vocabulary Business Rules

- Method and DigestExtract
 - SM Method Names will include the year the method was updated
 - SM Method Descriptions use the following format:
 - [overall method name][name of section], [SM Edition ##], [method version YYYY]
 - Examples:

Method Name	Method Description
SM 3111 B-2011	Metals by Flame Atomic Absorption Spectrometry, SM Edition 23, method version 2011
SM 3120 B-2011	Metals by Plasma Emission Spectroscopy, SM Edition 23, method version 2011

1. Updates to Vocabulary Business Rules

- Method and DigestExtract

- ASTM Method Names will include the year the method was published, and year re-approved (if applicable)

- ASTM Method Descriptions use the following format:

- [Method Title] **by** [Title of Analytical Technique] *(if applicable)*, **Published** [YYYY], **Re-approved** [YYYY] *(if applicable)*

- Examples:

Method Name	Method Description
ASTM D1426-15 (B)	Standard Test Methods for Ammonia Nitrogen In Water by Ion Selective Electrode, Published 2015
ASTM D3977-97 (19)	Standard Test Methods for Determining Sediment Concentration in Water Samples, Published 1997, Re-approved 2019

1. Updates to Vocabulary Business Rules

- Guidance for Program, ParentProject, and Project
 - Program → ParentProject → Project
 - More general to more detailed
- Code → Name → Description
 - More general to more detailed
 - Code, Name and Description should all include the same information in the same order with increasing detail

1. Updates to Vocabulary Business Rules

- Guidance for Program
 - **Requirement**
 - If it fits under an existing program, then that must be used
 - Recommendations
 - Reference an existing program that likely has a webpage or some form of documentation
 - Typically does not include a year

1. Updates to Vocabulary Business Rules

- Guidance for ParentProject
 - **Requirement**
 - ParentProject code/name cannot be the same as a Project code/name
 - Recommendations
 - ParentProject code/name should not be the same as a Program code/name, but it may make sense for some smaller projects
 - Should be more general than a Project
 - Does not need to include a year

1. Updates to Vocabulary Business Rules

- Guidance for Project

- **Requirement:** Project code/name cannot be the same as a ParentProject code/name

- Project name could be the same as a ParentProject name with a year added

- Recommendations

- Match formatting patterns of previous years if part of ongoing monitoring effort
- Include reference to the watershed being monitored
- Start Project name with the agency name/code
- Include a year at the end of the code/name
 - Calendar year, fiscal year, water year or other year reference

2. Matrix Updates

- Propose new matrix for stormwater
- Propose end-dating use of labwater matrix

Stormwater matrix

- Overview of discussion from August meeting:
 - Water Boards proposed updating the description of effluent matrix to specifically include MS4 stormwater discharge
 - User group members requested creating a new matrix to distinguish wastewater effluent and stormwater effluent
 - Runoff will remain as a matrix to describe non-point source discharge
 - Effluent will remain as a matrix to describe wastewater effluent
 - Part of the goal is to remove stormwater data from Integrated Report assessment easily

Stormwater matrix

- **Proposed**

Matrix Name	Matrix Description
stormwater	Effluent from point source discharges from municipal separate storm sewer systems (MS4s), industrial facilities, and construction sites regulated under NPDES permits. Water sampled prior to mixing with ambient surface water.

Runoff matrix

- **Current**

Matrix Name	Matrix Description
runoff	That part of precipitation, snow melt, or irrigation water that runs off the land into streams or other surface-water. Water sampled prior to mixing with ambient surface water.

➤ Refers to non-point source runoff

Blankwater matrix

Should be used for most QC samples/tests for chemistry and toxicity

Current

Matrix Name	Matrix Description
blankwater	Matrix free of interferences (reagent water) that is commercially or Lab-processed used for water QA sample

Proposed

Matrix Name	Matrix Description
blankwater	Matrix free of interferences used for water QC samples, including toxicity test controls. Includes all types of reagent water that are commercially or lab-processed.

Labwater matrix

Current

Matrix Name	Matrix Description
labwater	Unprocessed laboratory tap water

- Matrix Name does not match description
- Many examples of this matrix being inadvertently used incorrectly

Labwater matrix

Proposed

Matrix Name	Matrix Description
tapwater	Unprocessed laboratory tap water used for field QC samples that has been tested to ensure no contamination of target analytes.

3. CEDEN 2.0 Status Updates

- Water Boards is working with EarthSoft software vendor to customize their EQulS platform to intake and store CEDEN data
- First phase: Chemistry
 - Field Results, Habitat
- Second phase: Taxonomy Data

3. CEDEN 2.0 Status Updates

- Schedule

- Water Boards contract laboratory testing of chemistry module – Summer/Fall 2025
- Testing API connections with RDCs – Winter 2025/26
- Testing of field forms and field/habitat data submission – Q1 2026
- Outreach and resources – Q1 2026
- Public use of chemistry module – Spring 2026

3. CEDEN 2.0 Status Updates

- Water Boards contract laboratory testing of chemistry module
 - Feedback from the lab led to:
 - Refined QC checks
 - Refining error messages
 - Refined data submission guidance

3. CEDEN 2.0 Development

- Documents & Resources
 - CEDEN 2.0 Chemistry Data Template
 - Draft CEDEN 2.0 Chemistry Data Submission Guide
 - Quick guide documents & videos planned
 - Vocabulary Cross-walks
 - CEDEN Website redesign to launch with CEDEN 2.0

3. CEDEN 2.0 Development

- Transition Outreach
 - RDCs - meeting regularly with RDCs to work out transition plans
 - Labs - announced as ELAP Technical Advisory Committee to begin outreach to labs who produce CEDEN EDDs
 - Lots of email list announcements starting in Q1 2026
 - Live training sessions & training videos will be available

3. CEDEN 2.0 Development

- Next Steps:
 - Jan 2026: Release of CEDEN 2.0 Chemistry Template and Submission Guidance Document
 - Jan-Mar 2026: Develop training & education resources. Outreach activities
 - Jan-Mar 2026: Development and testing of field module

Meeting Wrap-up

- Next meeting: **March 19, 2026**
 - CEDEN 2.0 updates and resources
- Action items:
 - Add tapwater and stormwater matrices to CEDEN
 - Update blankwater matrix description in CEDEN
 - End-date labwater matrix in CEDEN
 - Share CEDEN 2.0 chemistry template and data submission guide in January