

# Dashboard

## Raw Water Quality

## Treatment Options

- Coagulation, Flocculation, and Sedimentation (C/F/S)
- Membrane Filtration (To be updated)
- Activated Carbon Adsorption (To be updated)
- Advanced Oxidation (To be updated)

## Resources

- Ohio Department of Higher Education
- Ohio Water Resources Center
- Etc

# Coagulation, Flocculation, and Sedimentation (C/F/S)

User input

Test Date and Water Source

Test date:

Water source:

Device Information

Device:

Model:

Experimental Conditions

Coagulation:

- Water temperature:

- Water pH:

- Coagulant name:

- Chemical formula:

- Manufacturer/Supplier:

- Coagulant dosage:

- Coagulation speed:

- Reaction time:

Flocculation:

Settling:

## Experimental Results: Coagulation

Parameter	Unit	Initial	Final	Removal (%)
A	NTU	input	input	calculation
B				
C				
D				
E				
F				

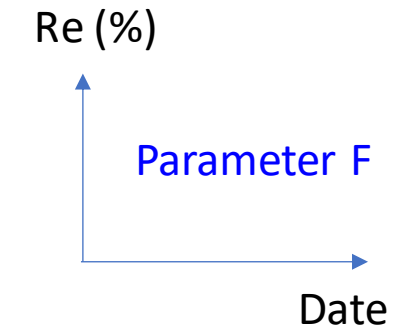
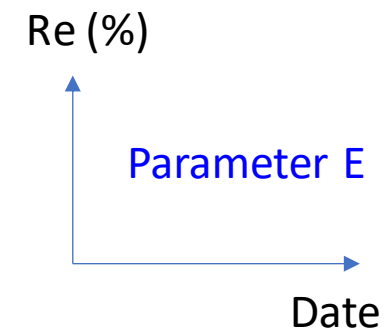
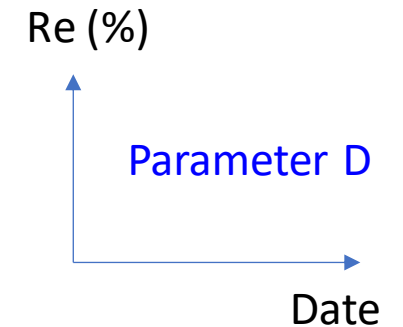
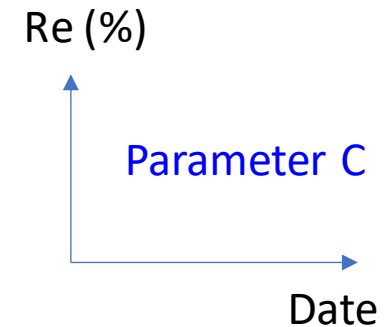
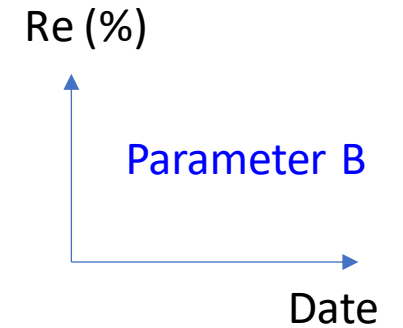
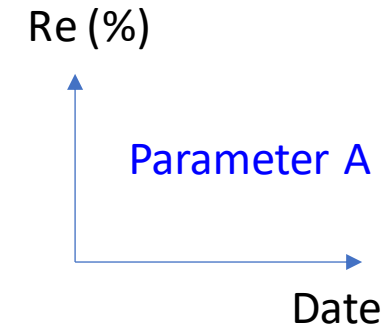
# Coagulation, Flocculation, and Sedimentation (C/F/S)

**Water source:** (dropdown menu)

## Coagulation

- Water temperature: (dropdown menu)
- Water pH: (dropdown menu)
- Coagulant name: (dropdown menu)
- Chemical formula: (dropdown menu)
- Manufacturer/Supplier: (dropdown menu)
- Coagulant dosage: (dropdown menu)
- Coagulation speed:(dropdown menu)
- Reaction time: (dropdown menu)

## Data processing



# Coagulation, Flocculation, and Sedimentation (C/F/S)

User input

Test Date and Water Source

Test date:  
Water source:

Device Information

Device:  
Model:

Experimental Conditions

Coagulation:  
Flocculation:  
- Yes/No  
- Water temperature:  
- Flocculant name:  
- Chemical formula:  
- Manufacturer/Supplier:  
- Flocculant dosage:  
- Water pH:  
- Flocculation speed:  
- Reaction time:  
Settling:

## Experimental Results: Coagulation and Flocculation

Parameter	Unit	Initial	Final	Removal (%)
A	NTU			
B				
C				
D				
E				
F				

# Coagulation, Flocculation, and Sedimentation (C/F/S)

Data processing

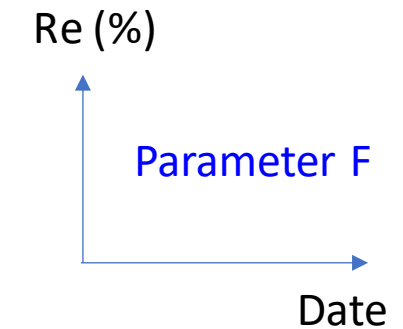
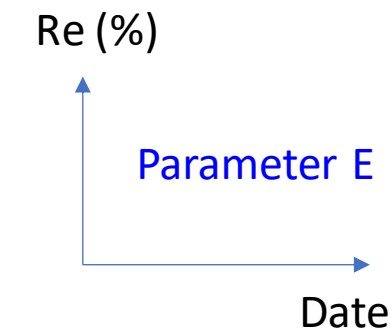
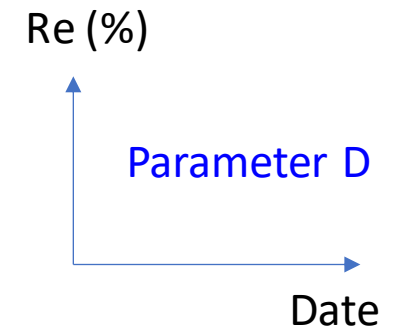
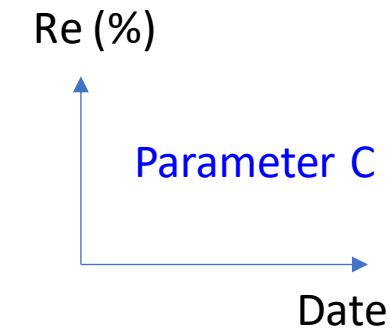
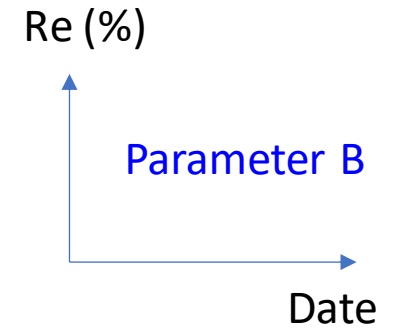
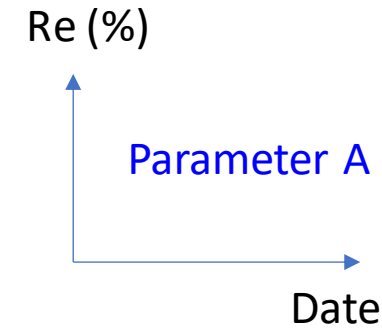
**Water source:** (dropdown menu)

**Coagulation:**

- Water temperature: (dropdown menu)
- Water pH: (dropdown menu)
- Coagulant name: (dropdown menu)
- Chemical formula: (dropdown menu)
- Manufacturer/Supplier: (dropdown menu)
- Coagulant dosage: (dropdown menu)
- Coagulation speed: (dropdown menu)
- Reaction time: (dropdown menu)

**Flocculation:**

- Water temperature: (dropdown menu)
- Water pH: (dropdown menu)
- Flocculant name: (dropdown menu)
- Chemical formula: (dropdown menu)
- Manufacturer/Supplier: (dropdown menu)
- Flocculant dosage: (dropdown menu)
- Water pH: (dropdown menu)
- Flocculation speed: (dropdown menu)
- Reaction time: (dropdown menu)



# Coagulation, Flocculation, and Sedimentation (C/F/S)

User input

Test Date and Water Source

Test date:

Water source:

Device Information

Device:

Model:

Experimental Conditions

Coagulation:

Flocculation:

Settling:

- Settling time:

## Experimental Results: Coagulation, Flocculation, and Sedimentation

Parameter	Unit	Initial	Final	Removal (%)
A	NTU			
B				
C				
D				
E				
F				

# Coagulation, Flocculation, and Sedimentation (C/F/S)

**Water source:** (dropdown menu)

**Coagulation:**

- Water temperature: (dropdown menu)
- Water pH: (dropdown menu)
- Coagulant name: (dropdown menu)
- Chemical formula: (dropdown menu)
- Manufacturer/Supplier: (dropdown menu)
- Coagulant dosage: (dropdown menu)
- Coagulation speed:(dropdown menu)
- Reaction time: (dropdown menu)

**Flocculation:**

- Water temperature:
- Water pH:
- Flocculant name:
- Chemical formula:
- Manufacturer/Supplier:
- Flocculant dosage:
- Water pH:
- Flocculation speed:
- Reaction time:

**Settling:**

- Settling time:

Data processing

