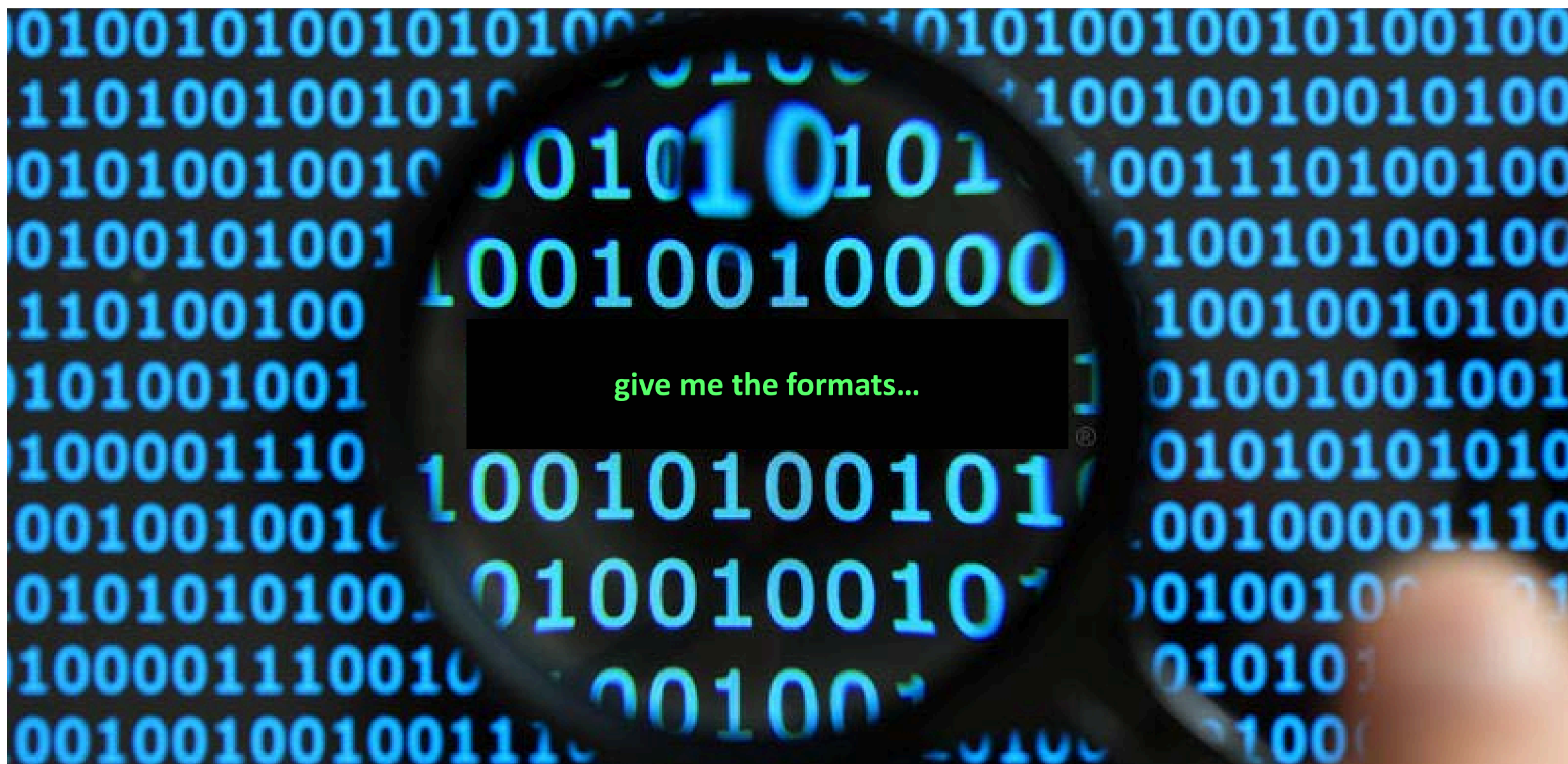




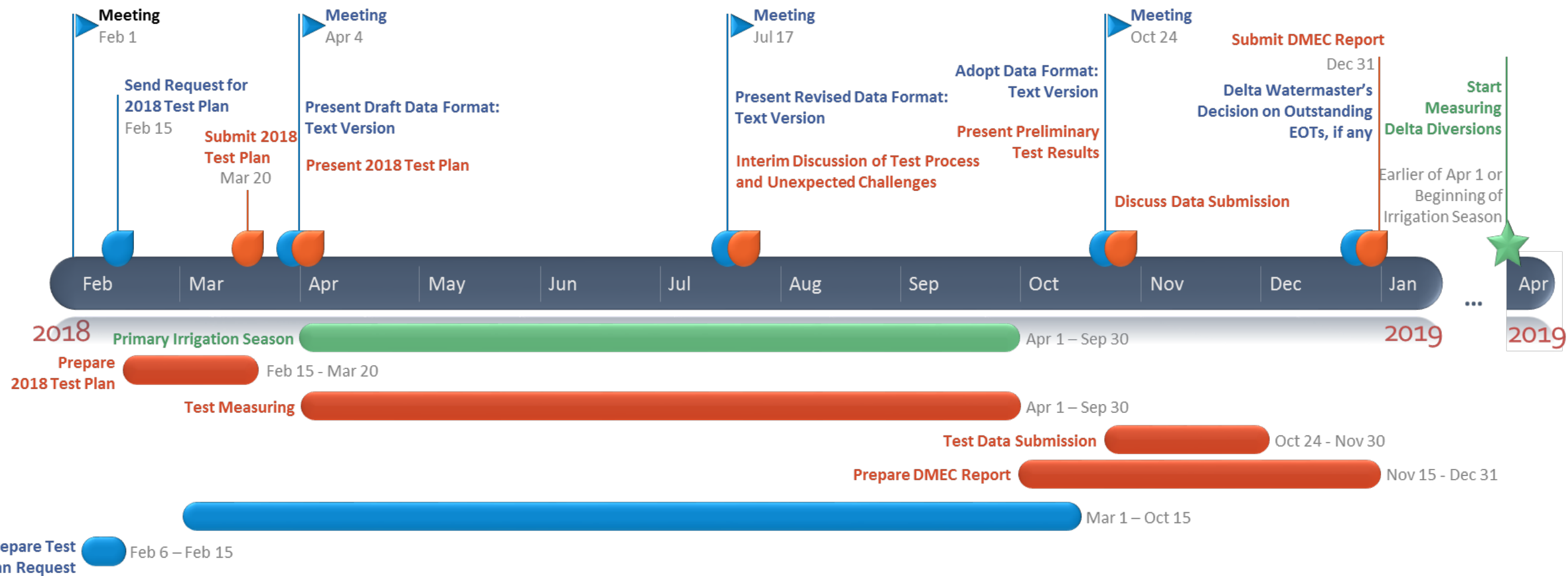
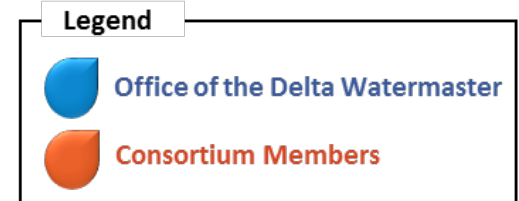
SB888 Diversion Reporting Data Formats

Ruey-wen WANG

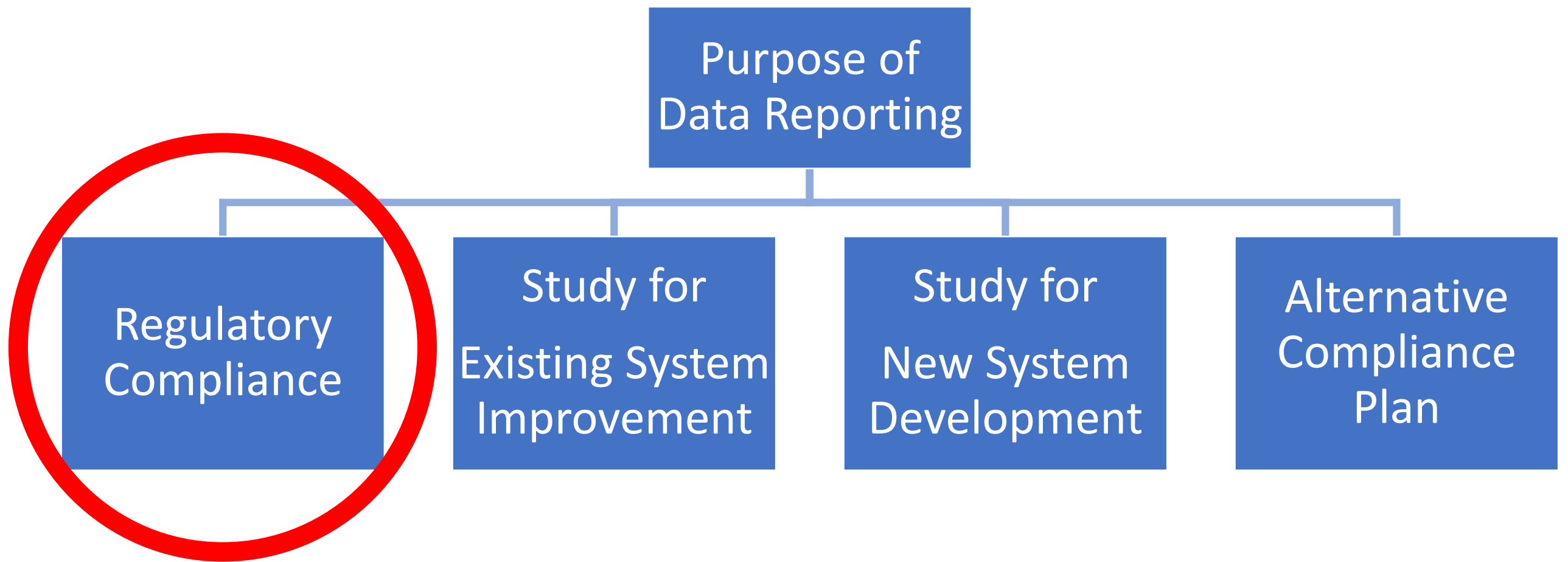
Office of the Delta Watermaster

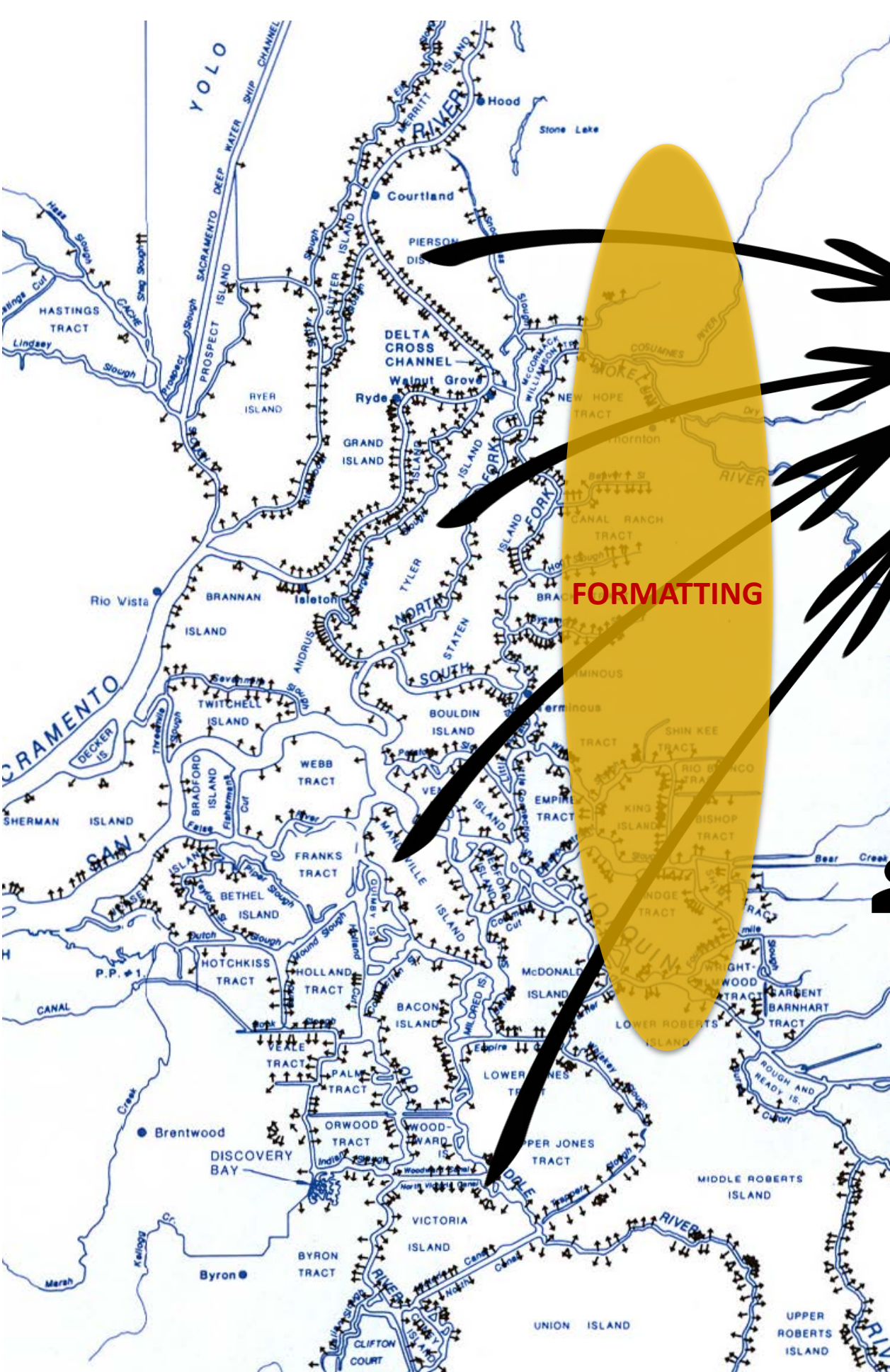
April 5, 2018

DMEC 2018 Work Plan



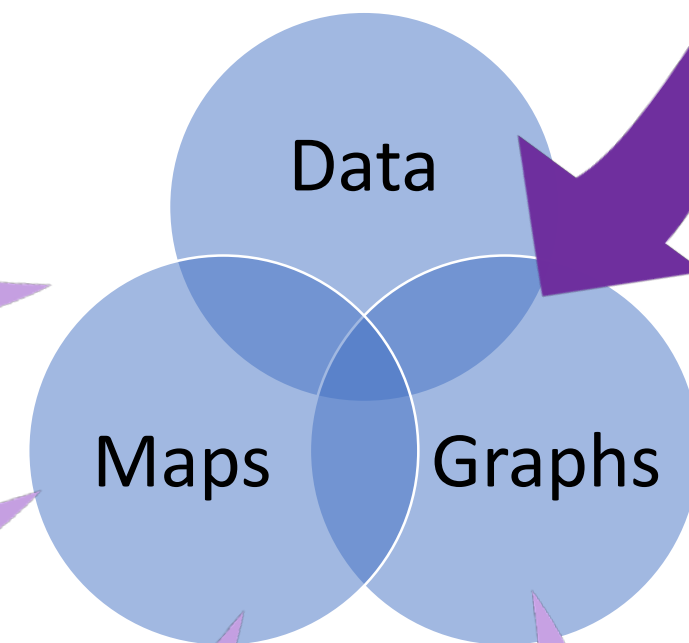
February 15, 2018

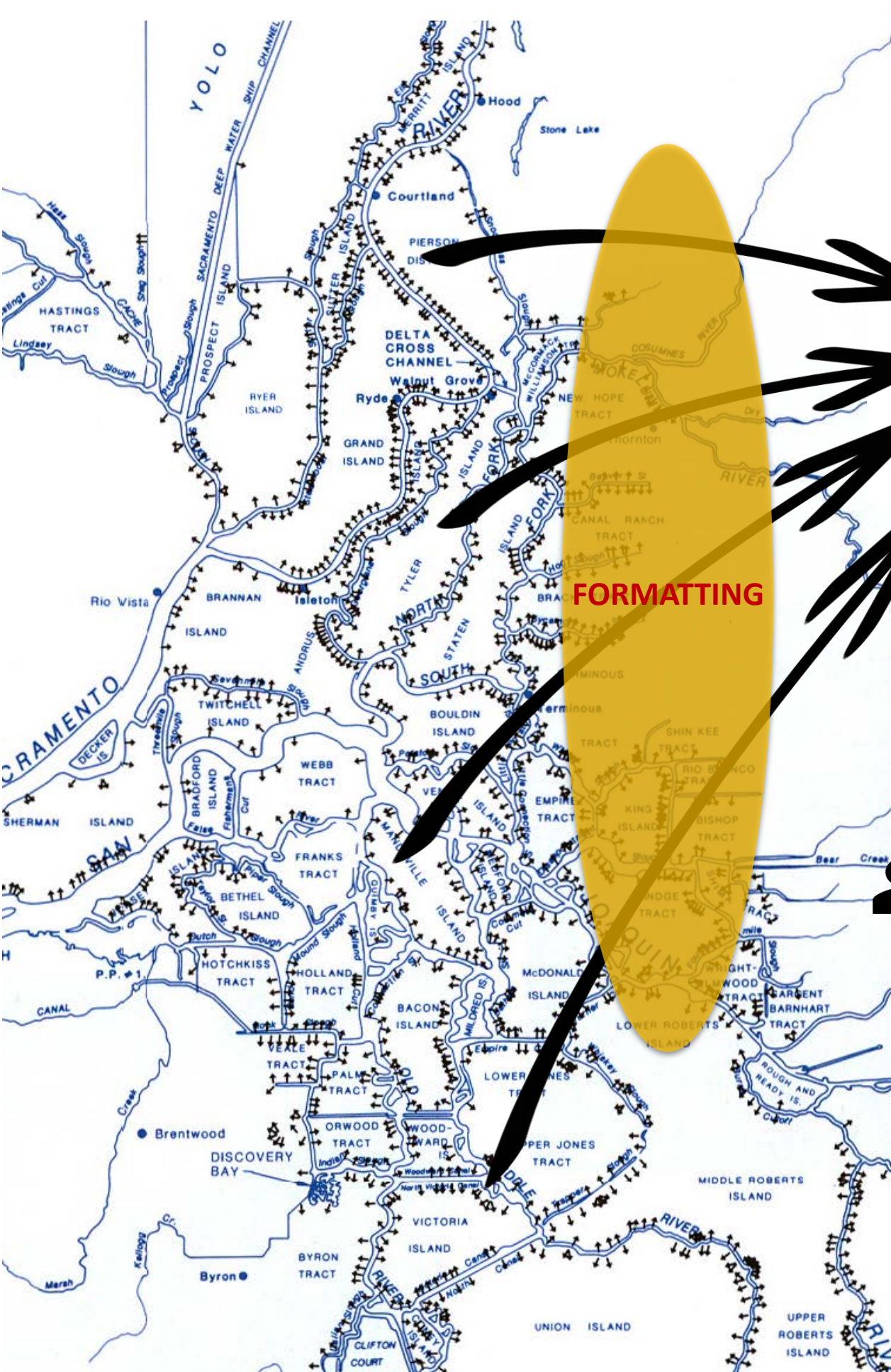




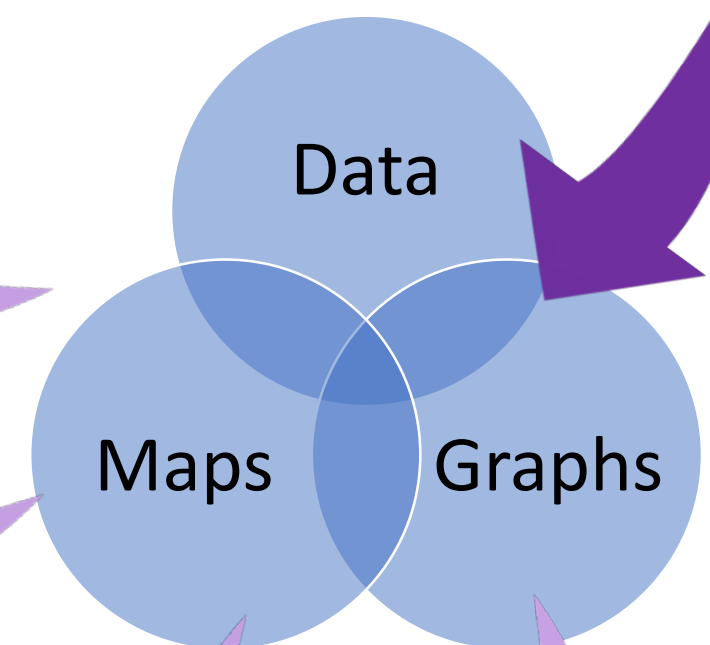
plan **A**

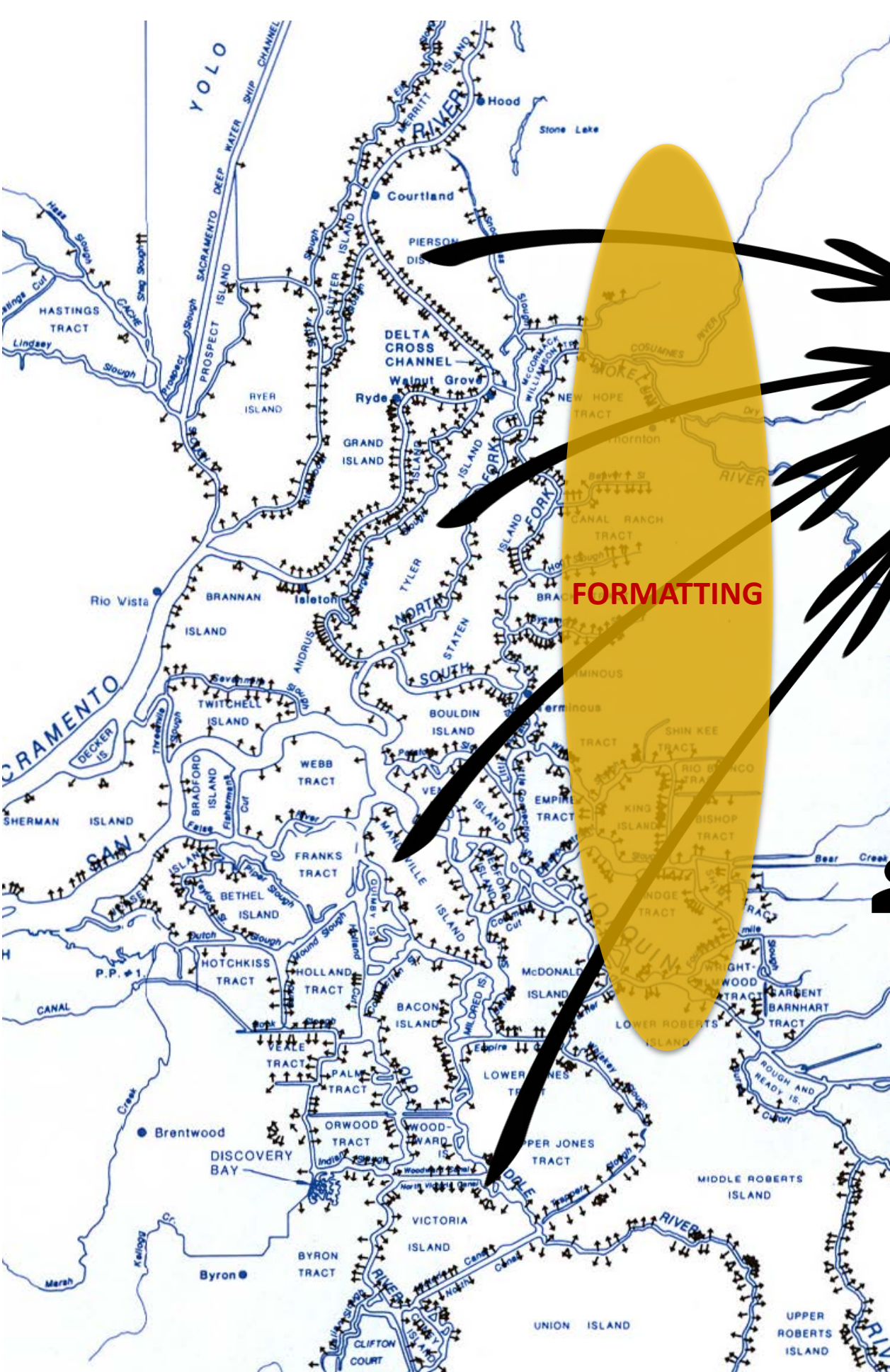
FORMATTING





plan **A1**





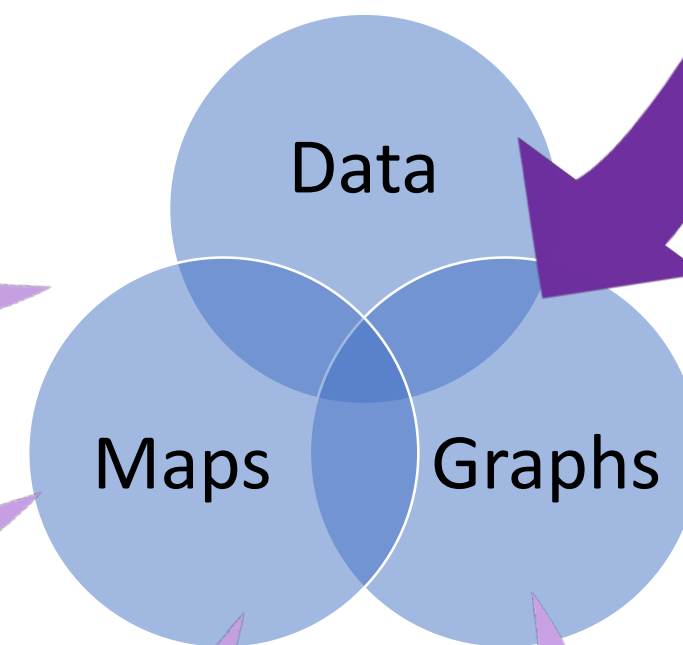
DATABASE

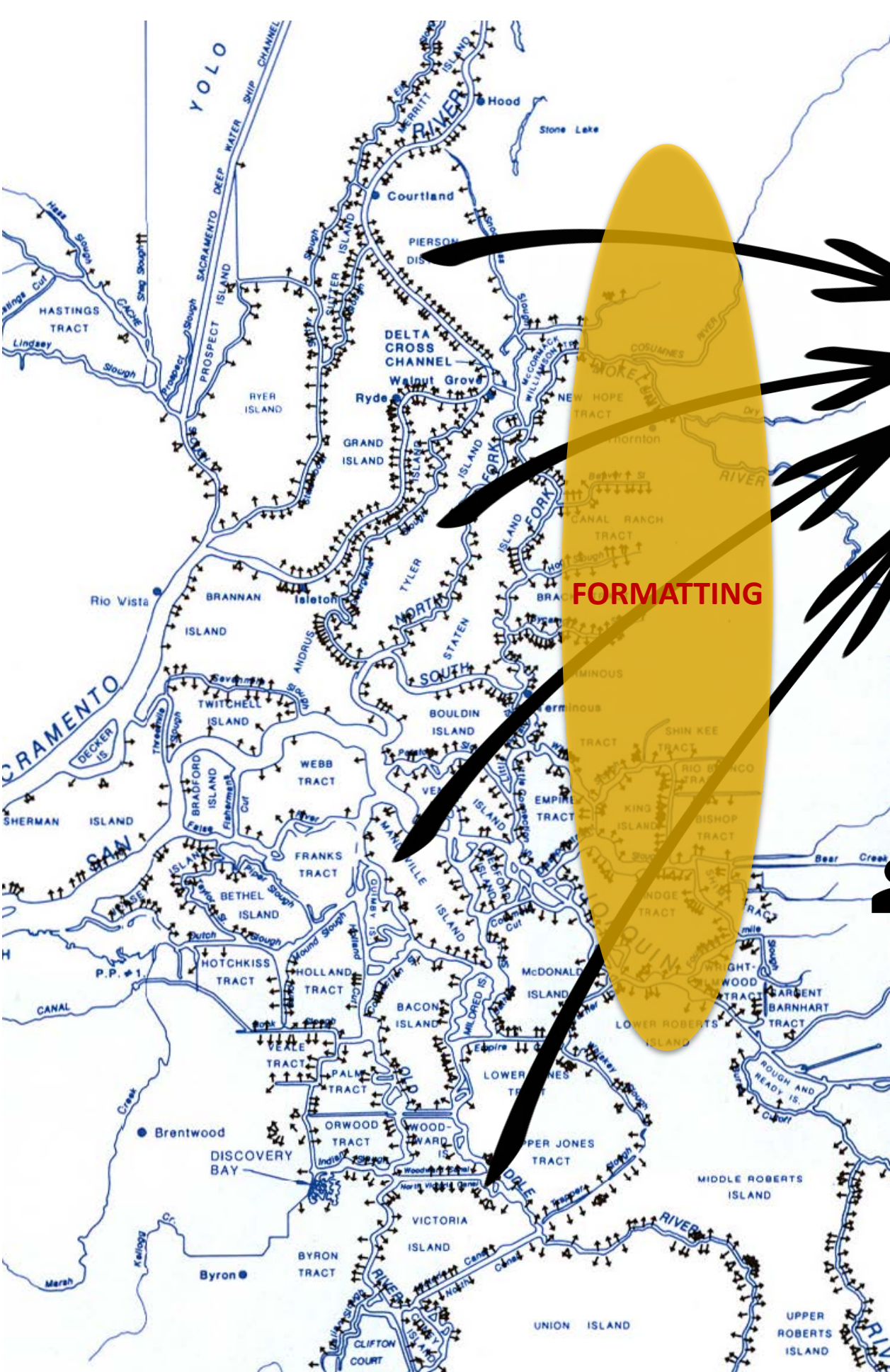


CEDEN plan
CALIFORNIA ENVIRONMENTAL DATA EXCHANGE NETWORK

A2

FORMATTING

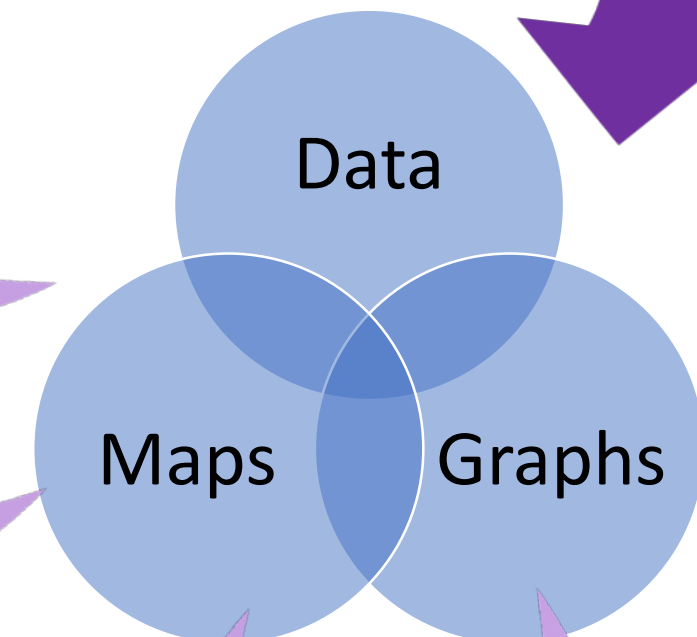




plan **A3**



FORMATTING



considering deadlines...
maybe we need a **plan B**?



plan **B**

This MUST be SIMPLE...



eWRIMS



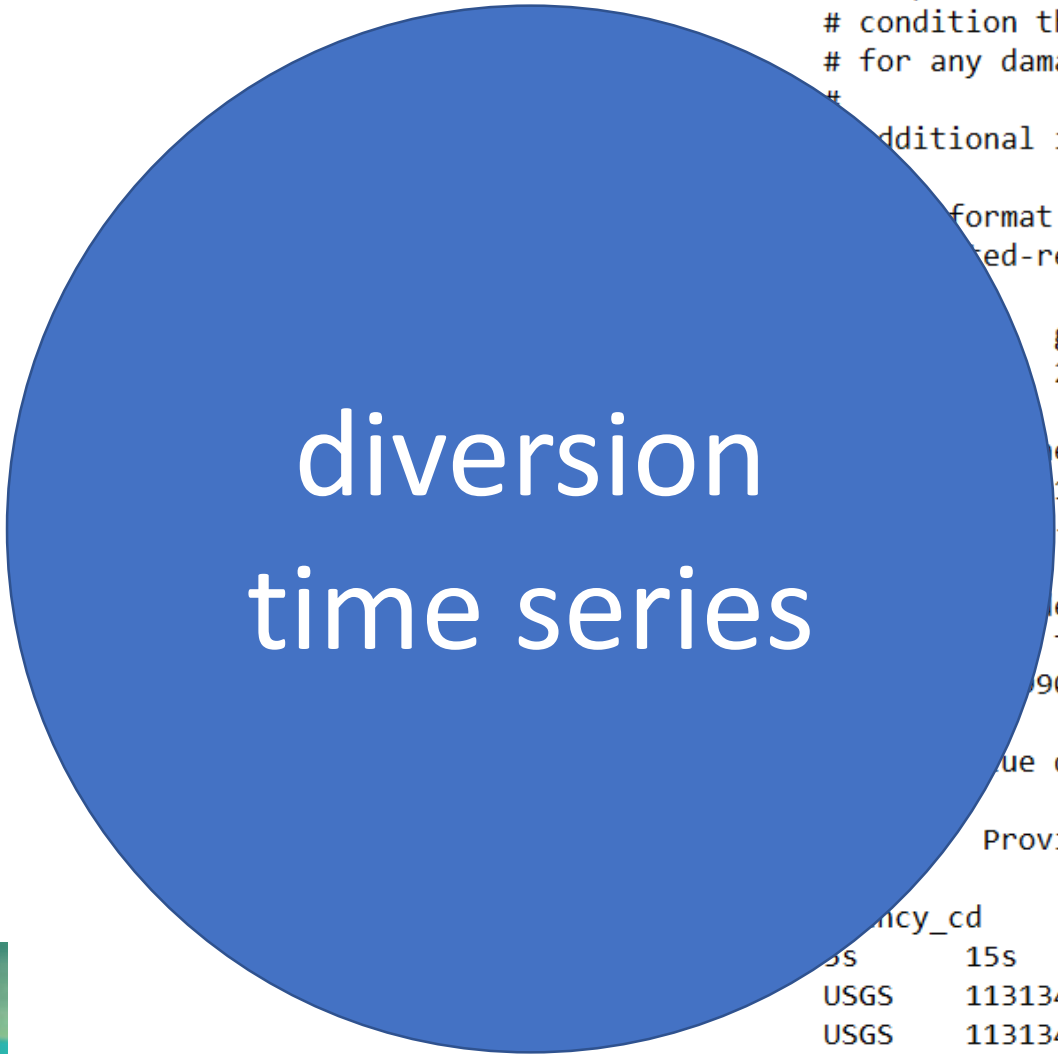
Maps

Graphs

Data

CALIFORNIA DATA EXCHANGE CENTER

Date / Time (PST)	FLOW CFS
03/13/2018 04:15	-114
03/13/2018 04:30	-123
03/13/2018 04:45	-138
03/13/2018 05:00	-150
03/13/2018 05:15	-154
03/13/2018 05:30	-162
03/13/2018 05:45	-182
03/13/2018 06:00	-170
03/13/2018 06:15	-141
03/13/2018 06:30	-150
03/13/2018 06:45	-123
03/13/2018 07:00	-30
03/13/2018 07:15	-54



----- WARNING -----
 # Some of the data that you have obtained from this U.S. Geolog
 # may not have received Director's approval. Any such data valu
 # as provisional and are subject to revision. Provisional data
 # condition that neither the USGS nor the United States Governm
 # for any damages resulting from its use.

Additional info: <https://help.waterdata.usgs.gov/policies/pro>
 # format description: <https://help.waterdata.usgs.gov/faq>
 # retrieval info: <https://help.waterdata.usgs.gov/faq>

gs-w_support_nwisweb@usgs.gov
 2018-03-13 18:01:22 EDT (caww01)

The following 1 site(s) are contained in this file
 113405 OLD R A BACON ISLAND CA

ed for site 11313405
 TS parameter statistic Description
 901 72137 00003 Discharge, tidally fi

ue qualification codes included in this output:

Provisional data subject to revision.

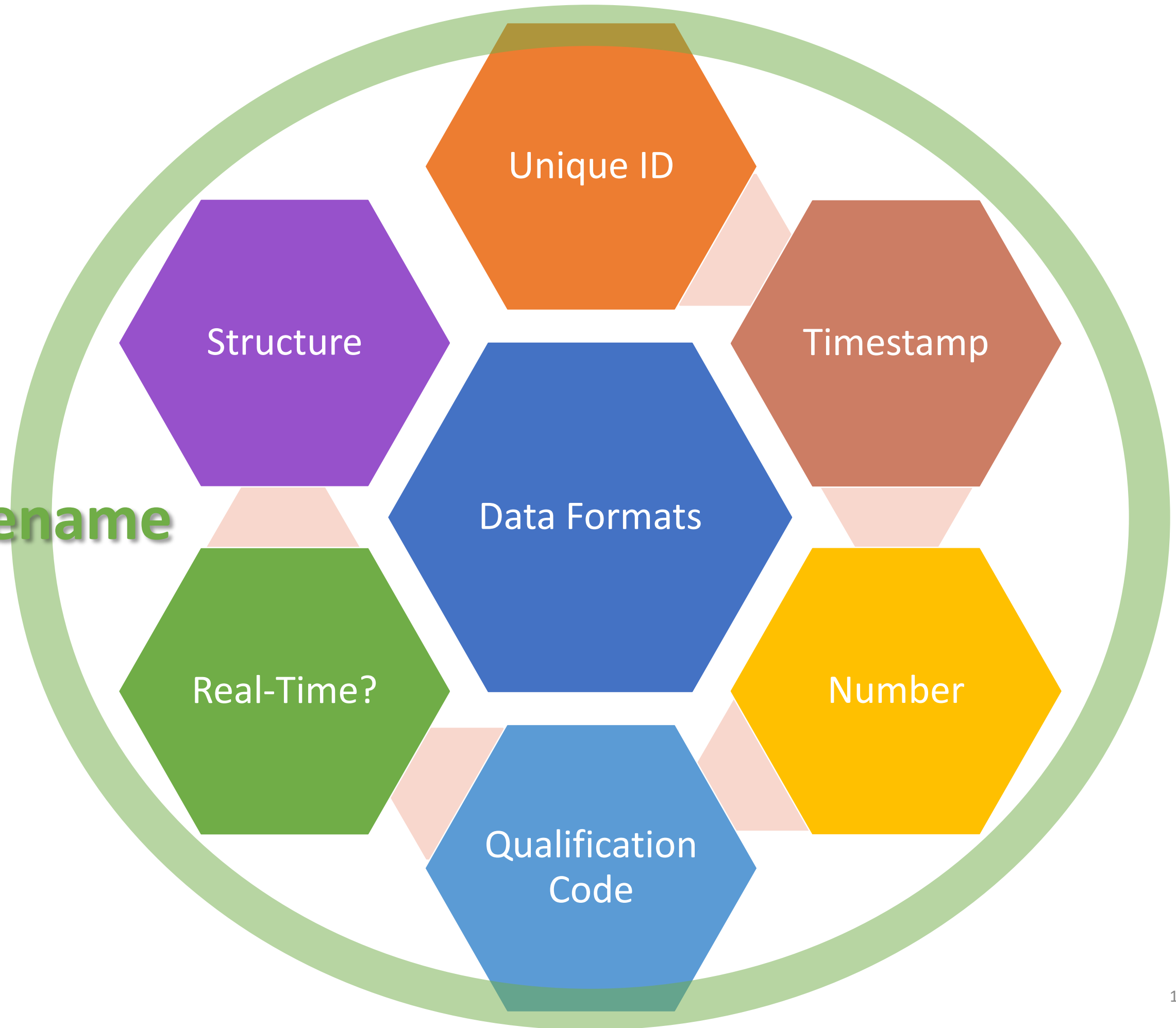
agency_cd	site_no	datetime	9901_72137_00003
USGS	11313405	2017-03-12	6120 P
USGS	11313405	2017-03-13	5780 P
USGS	11313405	2017-03-14	5560 P
USGS	11313405	2017-03-15	6160 P
USGS	11313405	2017-03-16	6590 P
USGS	11313405	2017-03-17	6140 P



CEDEN: Data Retrieval
 Program|ParentProject|Project|StationName|StationCode|SampleDate|Collectio
 uc8_number|huc10|huc10_number|huc12|huc12_number|waterbody_type|SampleID
 Irrigated Lands Regulatory Program|San Joaquin County Delta Water Quality
 Irrigated Lands Regulatory Program|San Joaquin County Delta Water Quality
 Irrigated Lands Regulatory Program|San Joaquin County Delta Water Quality
 Irrigated Lands Regulatory Program|San Joaquin County Delta Water Quality
 Irrigated Lands Regulatory Program|San Joaquin County Delta Water Quality
 Irrigated Lands Regulatory Program|San Joaquin County Delta Water Quality

and much more...

Filename



Unique ID

Water Right

Water Right ID

S024314

Sensor

Water Right ID
Measurement ID

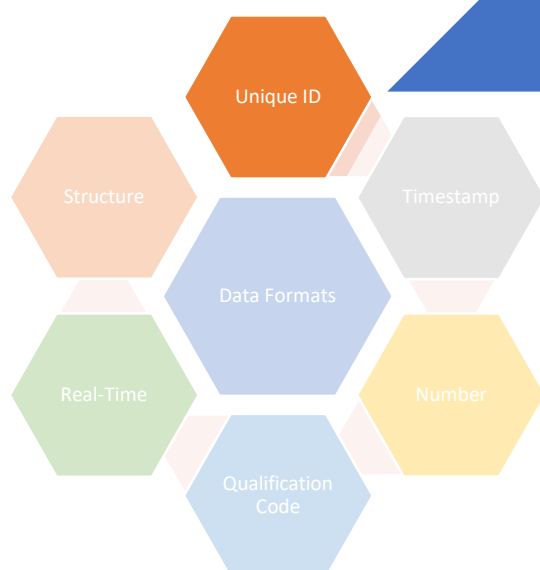
S024314_M004041
S024314 M004041
S024314, M004041

POD

Water Right ID
POD ID

S024314_62165
S024314 62165
S024314, 62165

and ...



Timestamp

USGS

Daily Mean
1961-02-20

YYYY-MM-DD

CDEC

Daily
02/12/2018
Hourly, 15-min
03/13/2018 22:00

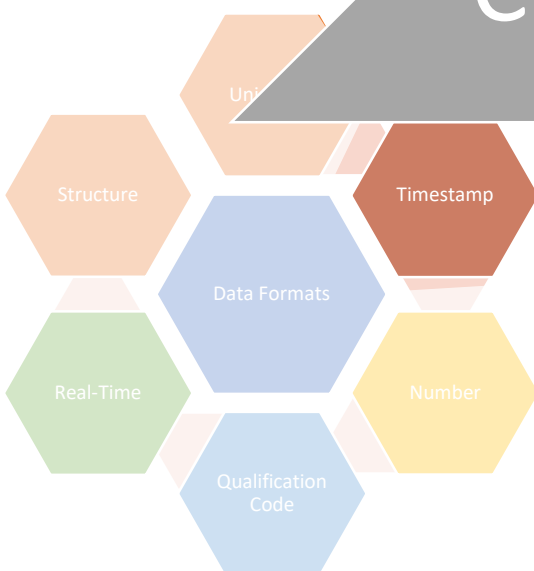
MM/DD/YYYY
MM/DD/YYYY HH:MM

CEDEN

Sampling schedule
2016-08-16 | 13:50:00

YYYY-MM-DD | HH:MM:SS

and more...



Number

USGS

Low flow [cfs]

2.50

High flow [cfs]

1200

Low flow [cfs]

2-digit decimal number (or 1?)

High flow [cfs]

Whole number

CDEC

Daily, Hourly, 15-min flow [cfs]

170

Whole number

CEDEN

Sampling flow [cfs]

2548

Whole number

Structure

Unit

Timestamp

Data Formats

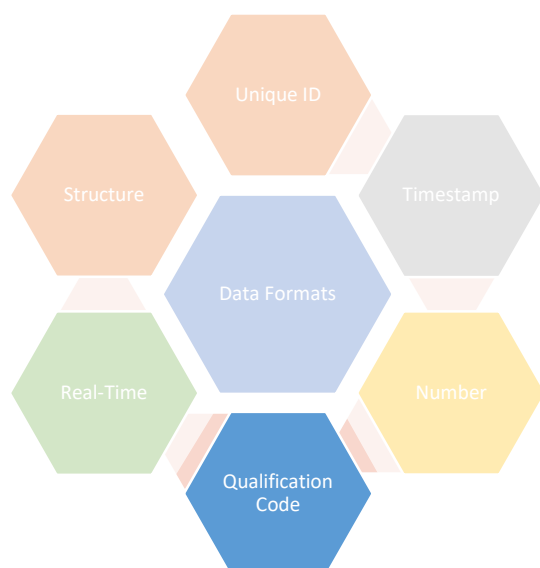
Real-Time

Number

Qualification
Code

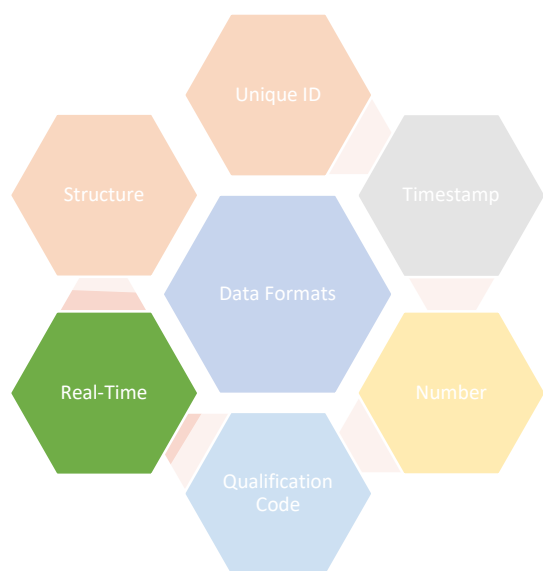
Qualification Code

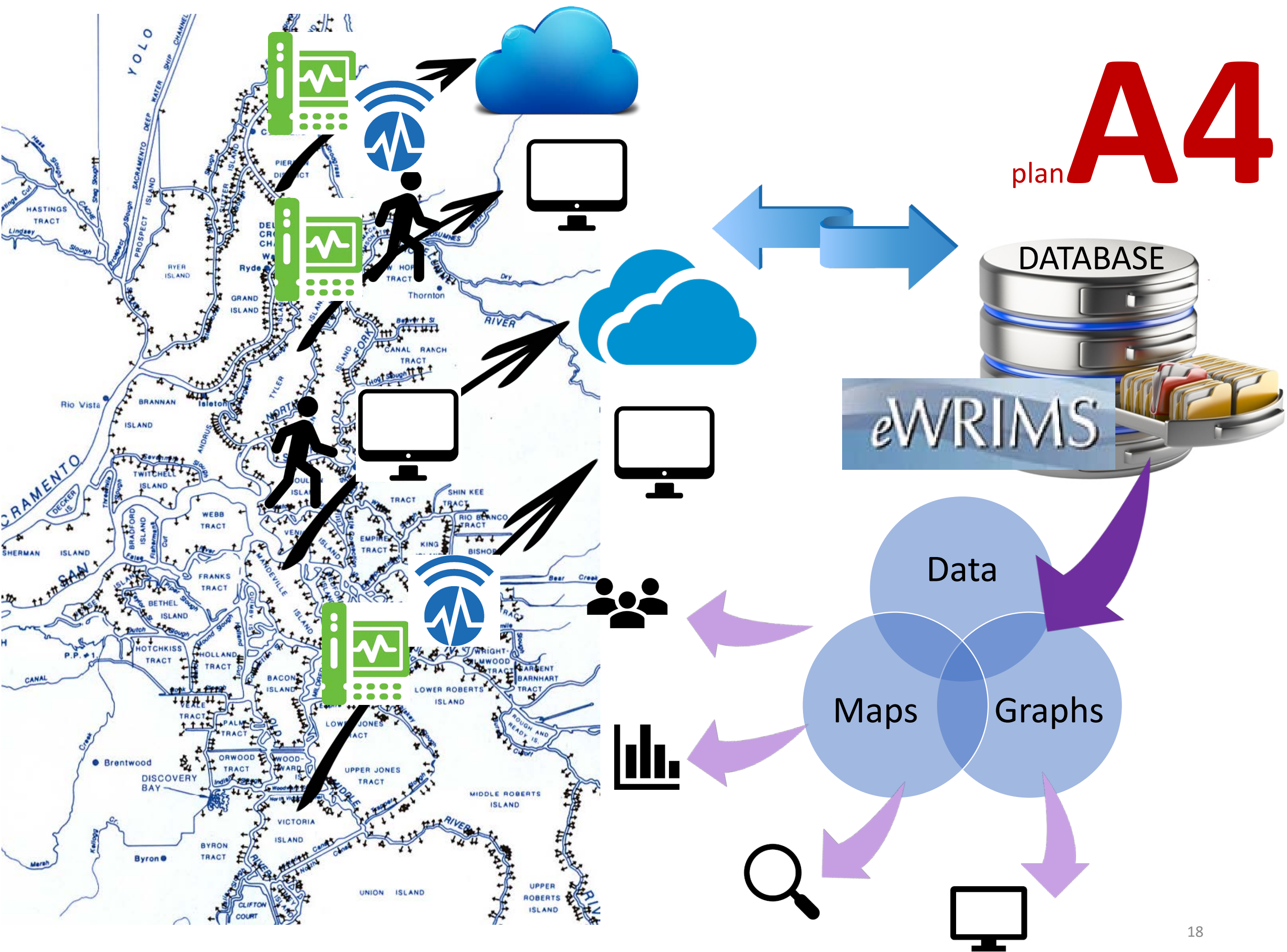
Do we need a qualification code for **plan B** upload?



Real-Time

Required or volunteered?





Structure

APPL_ID	S024314	
Measurement_ID	M004041	
Unit	cfs	
Time	Diversion	Qualification_Code
2017-04-01 06:00	3.67	A
2017-04-01 07:00	3.85	A
2017-04-01 08:00	3.73	A
2017-04-01 09:00	4.01	A
2017-04-01 10:00	3.99	A
2017-04-01 11:00	3.72	A
...	...	...

APPL_ID	Measurement_ID	Time	Diversion	Unit	Qualification_Code
S024314	M004041	2017-04-01 06:00	3.67	cfs	A
S024314	M004041	2017-04-01 07:00	3.85	cfs	A
S024314	M004041	2017-04-01 08:00	3.73	cfs	A
S024314	M004041	2017-04-01 09:00	4.01	cfs	A
S024314	M004041	2017-04-01 10:00	3.99	cfs	A
S024314	M004041	2017-04-01 11:00	3.72	cfs	A
...	...	...	...	...	...

