Survey 123: CDMS Driven Field Data Collection

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CDMS and Survey 123 for SGS and Carcass Surveys

- CDMS driven data validation
  - Built in to decrease user error
  - Standardized values and data entry
  - Ease of import- ArcGIS portal to CDMS
- Cascading selects
  - LOCATIONS
- Conditional Fields
  - PIT Tag Readers
  - Radio Tags and Additional Tags and Marks

Data Validation

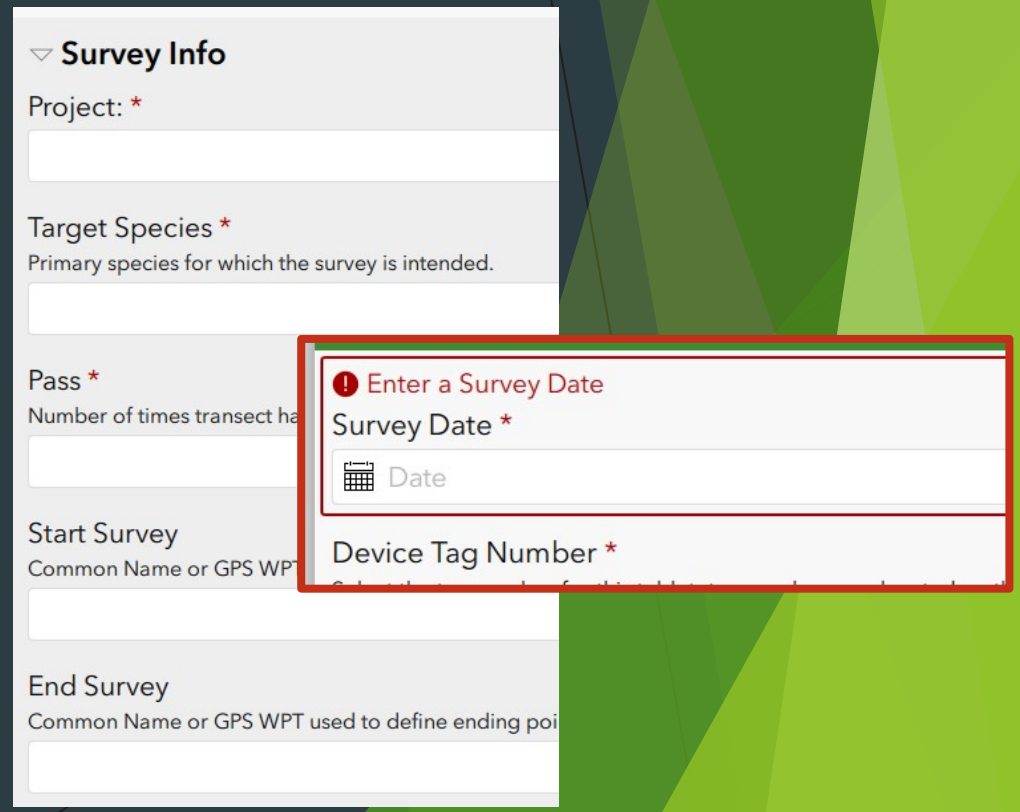
- Standardizing SGS Surveys across Research Division Projects
- Data Validation-CDMS Metadata

Survey Method		
	Description	Primary mode of travel used for survey.
	DbColumnName	SurveyMethod
	Units	
	Validation	Required
	Data Type	string
	Field Control Type	select
	Possible Values	["Boat","Ground","Ground & Snorkel","Snorkel","Raft","Fixed Wing","Helicopter","Unmanned Aerial Vehicle","Vehicle","NC"]
	Field Role	
	Source	
	Instrument	
	Order Index	9

Target Species		
	Description	Primary species for which the survey is intended
	DbColumnName	TargetSpecies
	Units	
	Validation	Required
	Data Type	string
	Field Control Type	select
	Possible Values	["BT","F_CHN","S_CHN","CHUM","COHO","SOCK","S_STH"]
	Field Role	
	Source	
	Instrument	
	Order Index	1

TargetSpecies	S_STH	Summer Steelhead
TargetSpecies	S_CHN	Spring/Summer Chinook
TargetSpecies	F_CHN	Fall Chinook
SurveyMethod	Boat	Boat
SurveyMethod	Ground	Ground
SurveyMethod	Boat & Snorkel	Boat & Snorkel
SurveyMethod	Snorkel	Snorkel
SurveyMethod	Raft	Raft
SurveyMethod	Fixed Wing	Fixed Wing
SurveyMethod	Helicopter	Helicopter
SurveyMethod	Unmanned Aerial V	Unmanned Aerial Vehicle
SurveyMethod	NC	NC

- Data Validation (built in Survey 123 template)
  - Required, Required Message, Default, Relevant, and Calculation options
  - Controlling input for data integrity
    - Easier QA/QC-less man hours spent at the computer post-survey season!

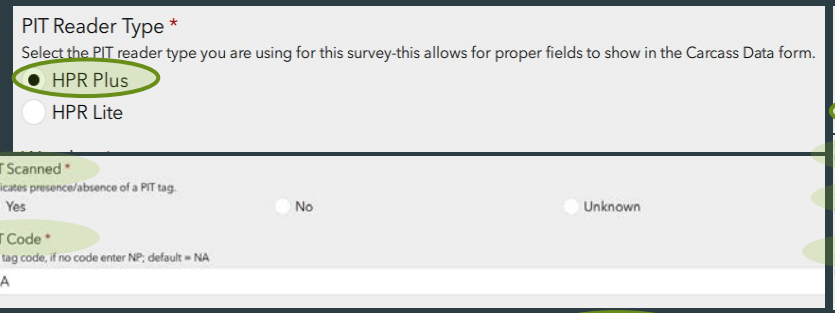


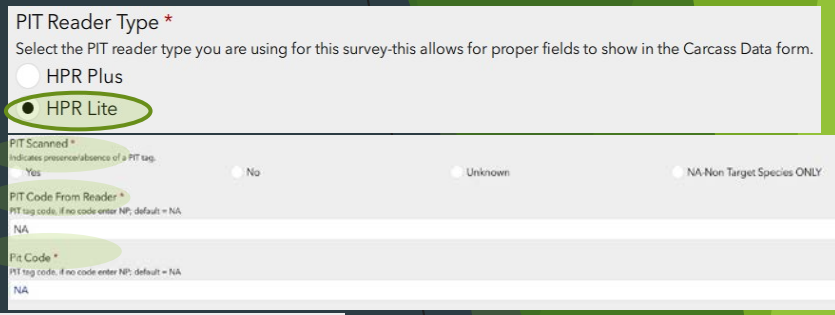
Cascading Values

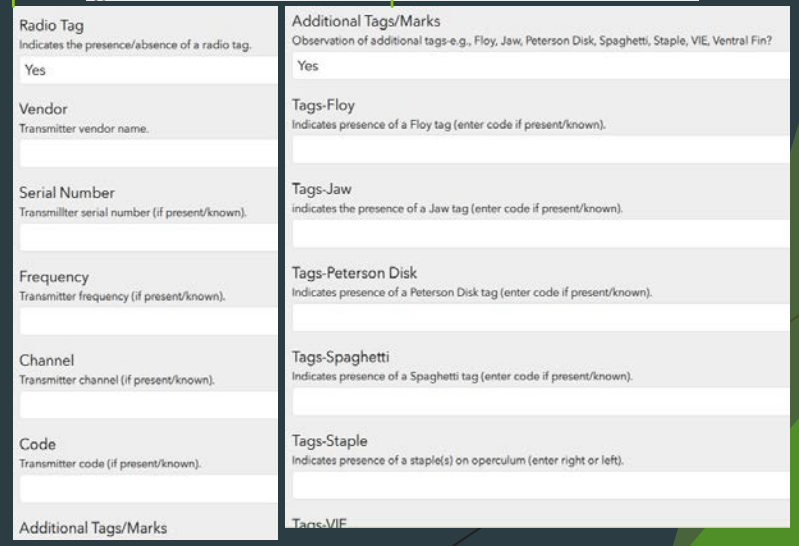
- Locations-LOTS!
  - Impossible to load all locations into a manageable list without these cascading fields
- Project → Streams → transects
- This allows for the stored value to be compatible with accepted CDMS values
  - Locations table fed choices lists
- Happier field technicians!

Conditional Fields

- SGS Standardization (again) → concerning Carcass data fields
- Radio Tags-not extremely common but will need to be accounted for if encountered
  - Conditional fields allow hidden options
- Additional Tags and Marks
  - Comprehensive list-not all are relevant to all areas we conduct surveys
  - Cascades allow for all types of possible tags and marks to be entered-need be basis-otherwise, out of sight! ☺







Questions?