



— BUREAU OF —  
RECLAMATION

# The MxLoader Playbook: Strategies for Data Cleanup and Migration Mastery

Breakout Session 19

Maximo Utilities Working Group

September 2025





Hoover Dam

# Outline

- Quick Bio
- Reclamation Background
- Reclamation and Maximo
- Data sanitization and cleanup
- MxLoader Examples
- Q&A



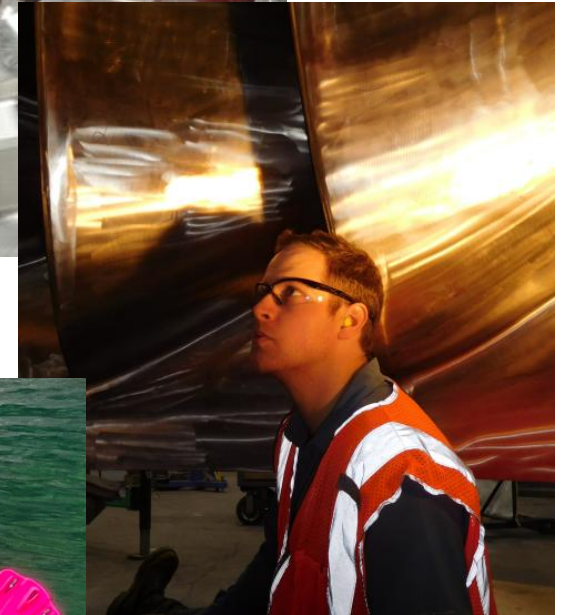
# Who am I?

- Ohio native, moved to Denver
- 3 years GE aircraft engine design
- Joined Reclamation in Apr 2016
  - 7 years with Turbines and Pumps
  - 2 years: Asset Management Organization (AMO) as data cleansing, user support
- Aspiring Maximo Expert
- Aspiring member of the Reclamation dive team
- Favorite Movie – Guess with next slide

Canyon Ferry Runner Inspection



John Keys  
Pump  
Impeller  
Inspection





**I'M NOT A REGULAR**

Presenter

**. I'M A COOL**

Presenter



*The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.*

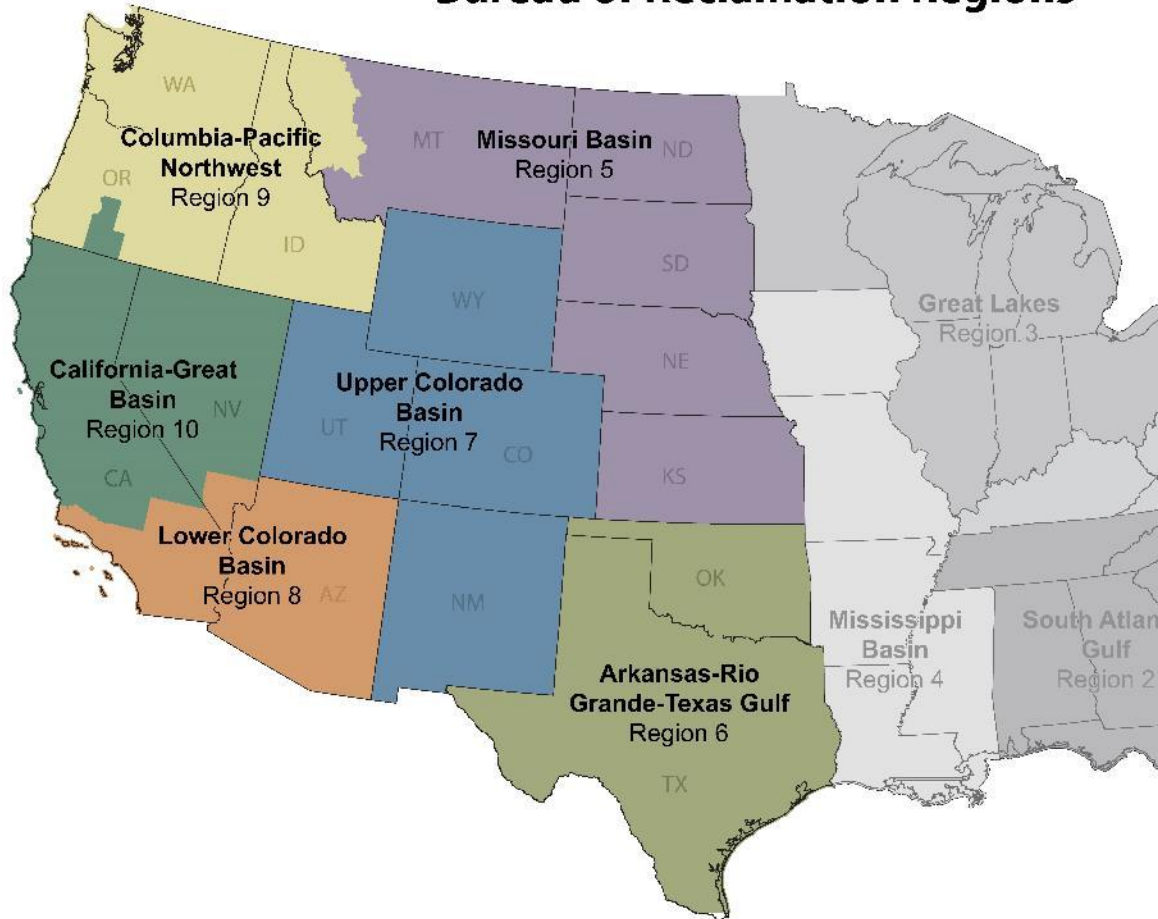


Jackson Lake Dam and Reservoir



# Organization

## Bureau of Reclamation Regions

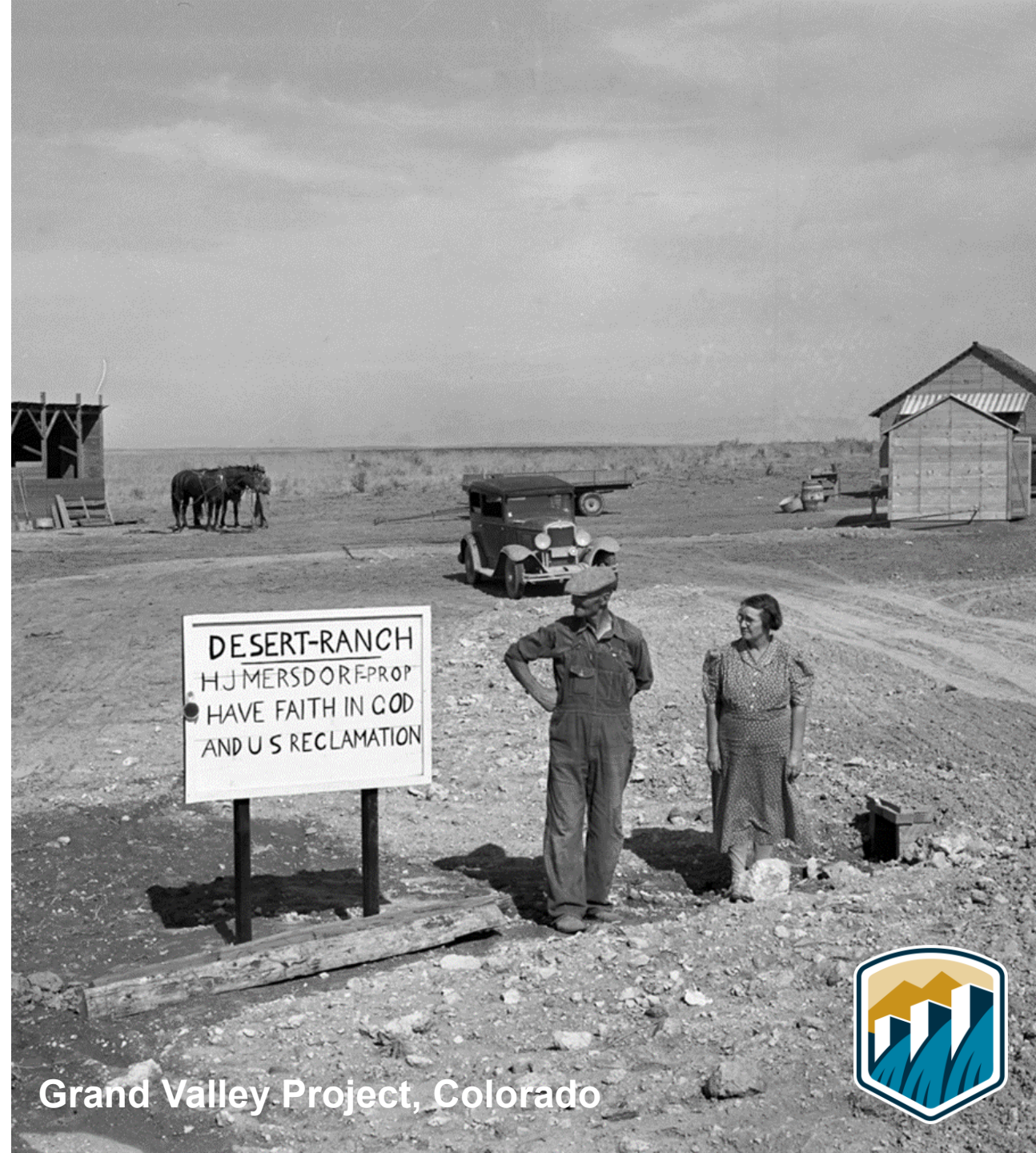


- Missouri Basin and Arkansas-Rio Grande-Texas Gulf
- Upper Colorado Basin
- Lower Colorado Basin
- Columbia-Pacific Northwest
- California-Great Basin



# Water Delivery

- Largest wholesaler of water in the United States, serving 31M people
- Provides irrigation water to 20% of U.S. Western farmers (10M acres)
- Reclamation Projects enable farmers to produce 60% of the nation's vegetables and 25% of the nation's fruit and nut crops



Grand Valley Project, Colorado



# Power Generation

- Second largest producer of hydroelectric power in the United States
- 53 powerplants provide more than 40 billion kilowatt hours and a \$1B in power revenues
- Electricity produced is enough to serve 3.5 million homes



Glen Canyon Dam Generators



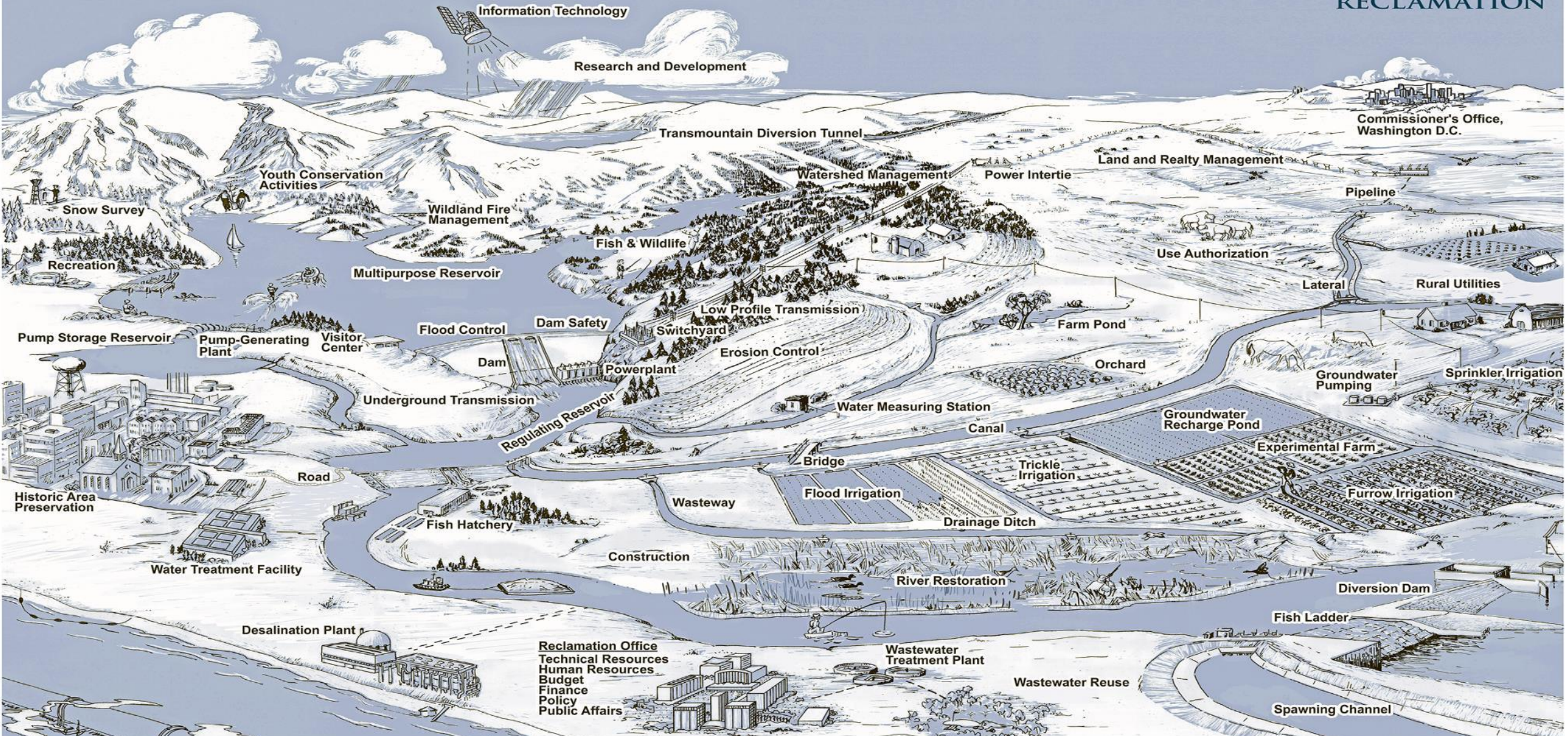
# Bureau of Reclamation Asset Management

The coordinated activity of an organization to realize value from assets.

(International Organization for Standardization ISO 55000 Asset Management, (Clause 3.3.1))



BUREAU OF  
RECLAMATION





Information Technology

Research and Development

Transmountain Diversion Tunnel

Youth Conservation Activities

Wildland Fire Management

Watershed Management

Power Intertie

Land and Realty Management

Fish & Wildlife

Use Authorization

Multipurpose Reservoir

Low Profile Transmission

Flood Control

Dam Safety

Switchyard

Farm Pond

Generating

Visitor Center

Dam

Powerplant

Erosion Control

Orchard

Underground Transmission

Regulating Reservoir

Water Measuring Station

Groundwater Recharge Pond

Road

Canal

Experiment

Fish Hatchery

Bridge

Flood Irrigation

Trickle Irrigation

Drainage Ditch

nt Facility

Construction

River Restoration

Wasteway

# Capital Asset & Resource Management Application (CARMA)

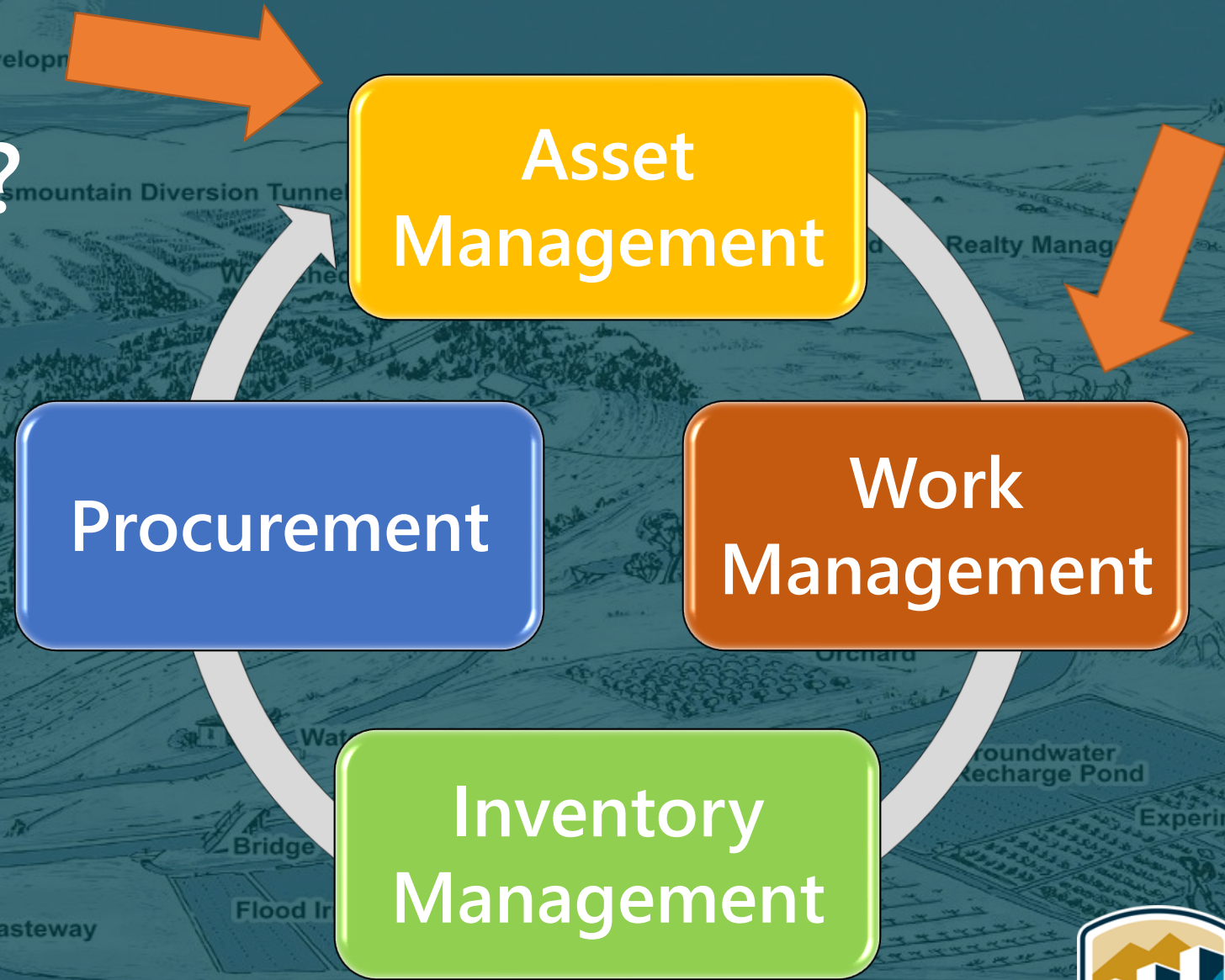
CARMA is Reclamation's customized deployment of:

1. IBM® Maximo® Enterprise Asset Management software system;
2. DOI FBMS financial system built on SAP technology;
3. DOI Quicktime timekeeping application;
4. DataSplice – third-party inventory management tool for mobile devices (work orders and assets now available too);
5. CiM – third-party Planning and Scheduling tool; and
6. RulesManager – third-party business rules validation software.



# How do we use it?

1. Asset Management
2. Work Management
3. Inventory Management
4. Procurement (FBMS and CARMA)



# Maximo is Only as Good as Its Data

- As Reclamation moves to MAS9, key records are moved from one system to another giving us an opportunity to remove unnecessary, outdated, and irrelevant records.
- The key ingredient to a great EAMS? High-quality master data.
- Outcome of High Quality Data:
  - High quality strategic asset data = Clear asset cost, condition, needs.
  - Poor data = Poor results.



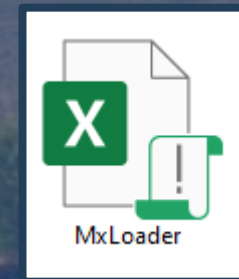
# How do you get High Quality Data?

## Data Sanitization

- Verifying good data
- Correcting errors
- Removal of unnecessary data

But how do you do this in a time effective manner?

## Enter MxLoader





**What level of experience do you have with MxLoader?**

# MxLoader for Bulk Data Manipulation

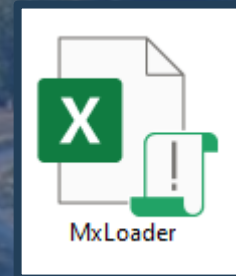
- Available for download, search for MxLoader in google
- Tool is free
  - Permit macros in the trust settings

• Author:



**Bruno Portaluri (MaximoDev)**

IBM Maximo consultant, geek, agile evangelist



# MxLoader for Bulk Data Manipulation

The screenshot shows an Excel spreadsheet with the following configuration data:

	A	B	C	D	E
1	<b>MxLoader Configuration</b>				
2					
3	<b>Connection</b>				
4	Server Address	https://carma.bor.doi.net			
5	Service	OS			
6	Authentication	API			
7	User				
8	Password				
9					
10	<b>Advanced</b>				
11	Maximum Objects	6000			
12	Batch Size	1			
13	Split Child Rows	TRUE			

A 'Test Connection' button is located in cell C4, which is circled in black. The 'Connection' section (rows 3-9) is also circled in black.



# MxLoader for Bulk Data Manipulation

MxLoader Configuration	
Advanced	
Maximum Objects	6000
Batch Size	1
Split Child Rows	TRUE
Start Row	3
Stop On Error	FALSE
Continue Sync	TRUE
Display Query Warning	TRUE
Display Summary	TRUE
Automatic Sort	TRUE
Query Only	FALSE
Store Passwords	TRUE
Formatting	
Timezone	
Date/Time Format	yyyy-mm-dd hh:mm
Date Format	yyyy-mm-dd
Time Format	hh:mm
Logging	
Logging	Off
Log File Name	[XLSDIR]\\[XLSNAME].log



# Let's Look at Examples

1

Updating Order Quantity and Status in Inventory (3,000 records)

2

Clearing out old item masters (6,000+ records)

3

Uploading powerplant asset data into Maximo (35,000+ records)





# Updating Order Quantity and Status in Inventory (3,000 records)



# Example 1 - Updating Order Quantity and Status in Inventory

- We have 3,000 inventory records that need to be obsoleted.
- However, our rules manager is preventing this due to our economic order quantity and max level fields reading "0"
- When changed to "1", the item is able to be obsoleted.
- So how do we change 3,000 inventory records reorder details?



# Example 1 - Updating Order Quantity and Status in Inventory

Select the MxLoader Tab  
Select New MxSheet

Home Insert Page Layout Formulas View Automate Help Acrobat MxLoader

Run From Current Row New MxSheet MxSheet Wizard Create RunBatch MxLoader

Sort A to Z Sort Z to A Filter Clear Reapply Advanced Data

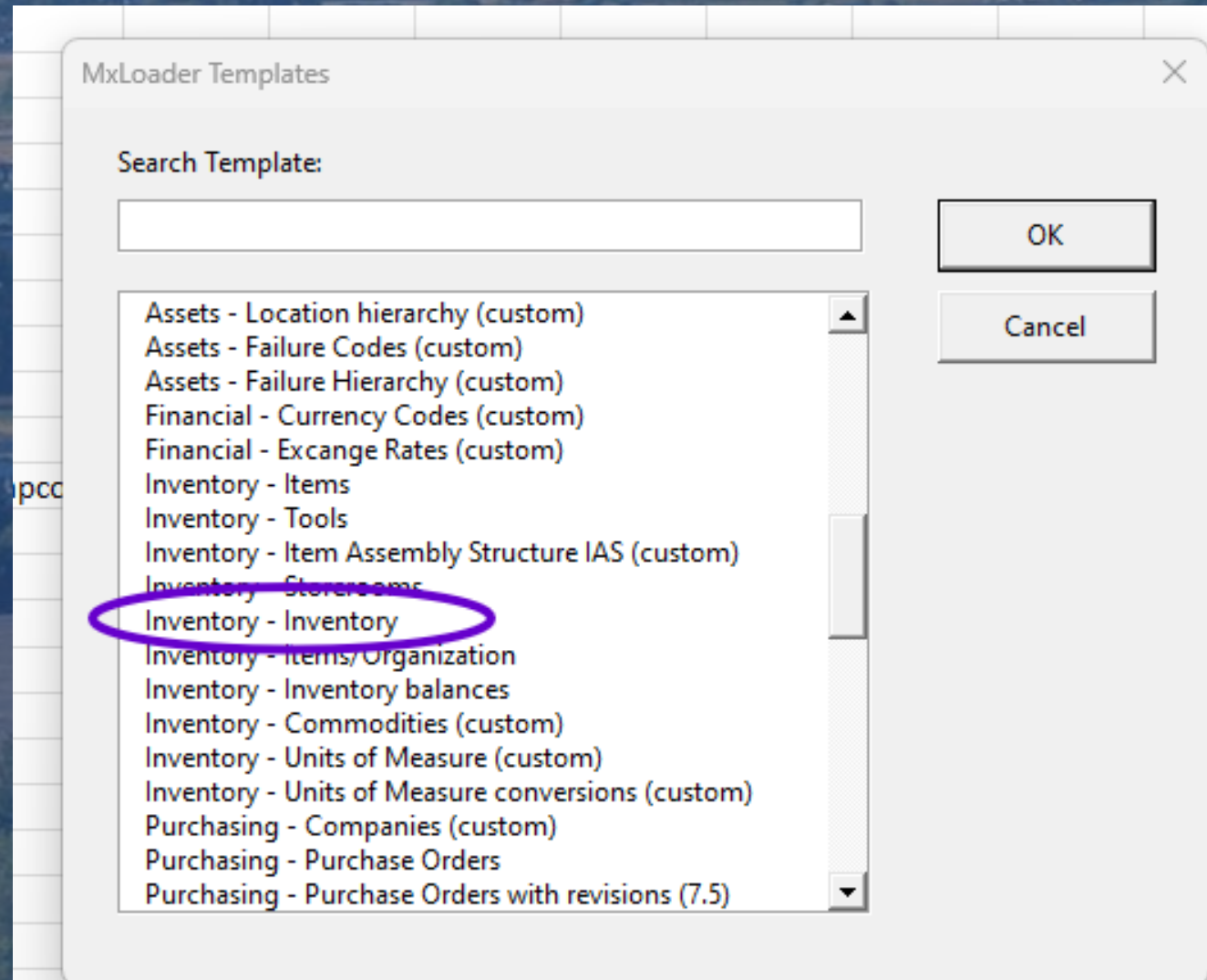
A B C D E F

oader Configuration



# Example 1 - Updating Order Quantity and Status in Inventory

Select our  
Template:  
Inventory records



# Example 1 - Updating Order Quantity and Status in Inventory

MxLoader Data

F22

	A	B	C	D	E	F
1	<b>MXINVENTORY</b>	<b>INVENTORY</b>	<b>Query</b>			
2	<b>ITEMNUM</b>	<b>ITEMSETID</b>	<b>SITEID</b>	<b>LOCATION</b>	<b>ISSUEUNIT</b>	<b>BINNUM</b>
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

- Where do these headers come from?

0.00

• Maximum Stock: 0.00

• Economic Order Quantity: 1.00

Order Unit: EA-0001

• Issue Unit: EA

Internal Field Help

Field: Issue Unit  
Table.Column: INVENTORY.ISSUEUNIT

Standard quantity by which the item is issued from the storeroom, such as each or roll. Click the Select Value button to view a list of valid issue units.

OK

Vendors Filter 0 - 0 of 0



# Example 1 - Updating Order Quantity and Max Level in Inventory

1	A	B	C	D	E	F	
2	<u>MXINVENTORY</u>	<u>INVENTORY</u>	<u>AddChange</u>				
3	<u>ITEMNUM</u>	<u>ITEMSETID</u>	<u>SITEID</u>	<u>LOCATION</u>	<u>MAXLEVEL</u>	<u>ORDERQTY</u>	<u>[RESULT]</u>
3	1421K	TEST2	CCA	130	1.00	1.00	OK
4	1441K	TEST2	CCA	130	1.00	1.00	OK
5	1464K	TEST2	CCA	130	1.00	1.00	OK
6	1477K	TEST2	CCA	130	1.00	1.00	OK
7	1488K	TEST2	CCA	130	1.00	1.00	OK

Sync Results

Result: OK

Operation:

Updated:

Created:

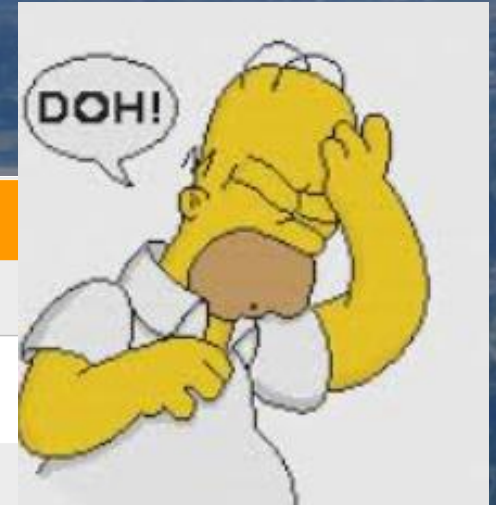
Errors:

Total:



# Real Time Example – Uh Oh...

We accidentally  
Ordered Left-Handed  
Hammers :(



Item	Description	Storeroom	Current Balance
	> hammer	>	
<a href="#">G5120000618540C</a>	HAMMER MACHINIST 4 OZ	171	5.00
<a href="#">G5120002244141C</a>	HAMMER STONEMAKER 4 LB STRIKING	173	3.00
<a href="#">G5120002514489C</a>	HAMMER DOUBLE FACE 8 LB	170	5.00
<a href="#">G5120002930887C</a>	HAMMER DOUBLE FACE 12 LB	170	3.00
<a href="#">G5120009006111C</a>	HAMMER MACHINIST 48 OZ	170	10.00
<a href="#">G5120014350659C</a>	FACE HAMMER MEDIUM RED 3 IN	170	3.00
<a href="#">G5950000590151RC</a>	COIL TRIP WESTINGHOUSE (CUTLER-HAMMER)	171	0.00



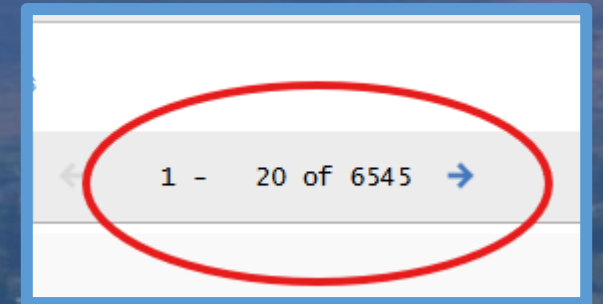
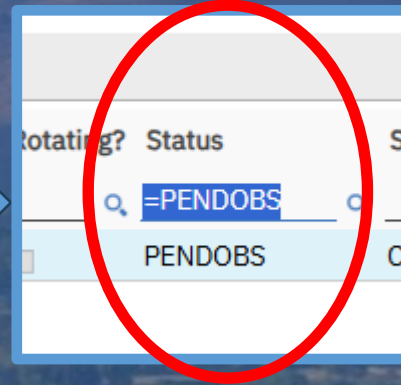
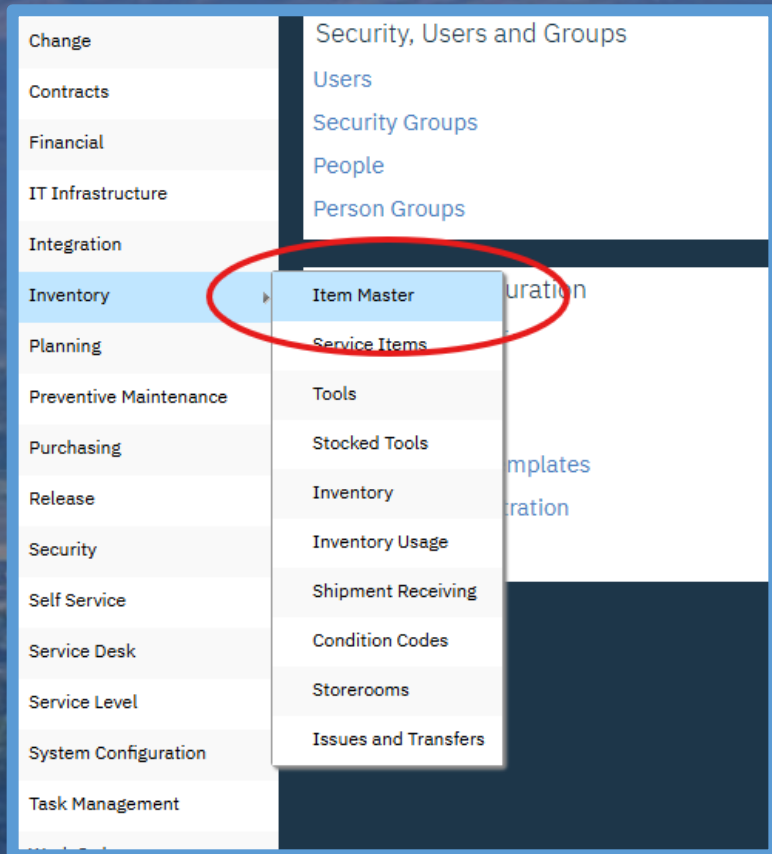


## Example 2: Clearing out old item masters (6,000+ records)



# Example 2 - Clearing out old Item Masters

## Inside the Item Masters Module – Sort by Pending Obsolescence (PENDOBS)



## Example 2 - Clearing out old Item Masters

Do we just change the Item Master statuses after we download that list?

Answer: No Because.....

...what if those PENDOBS Item Masters have Active Inventory records?

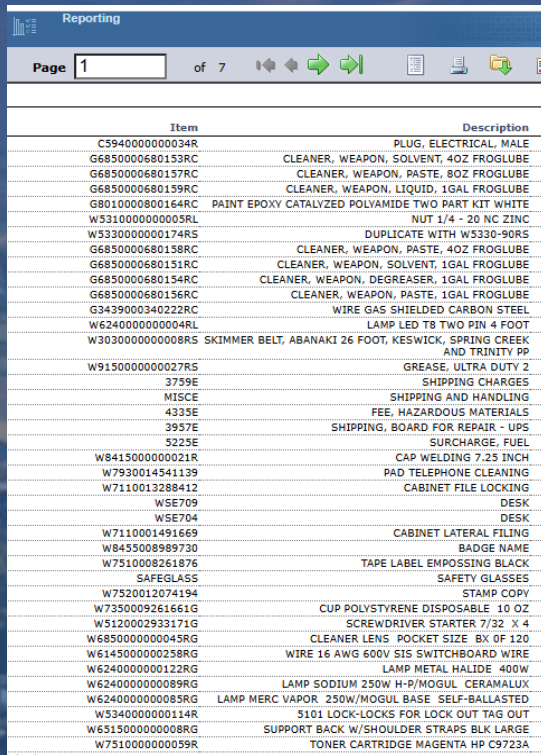


# Example 2 - Clearing out old Item Masters

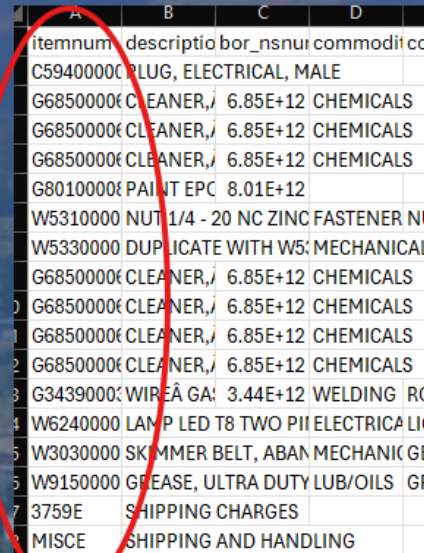
Download PENDOBS IM's using a report

Take that list of IM's and format into data that is searchable in the Inventory App

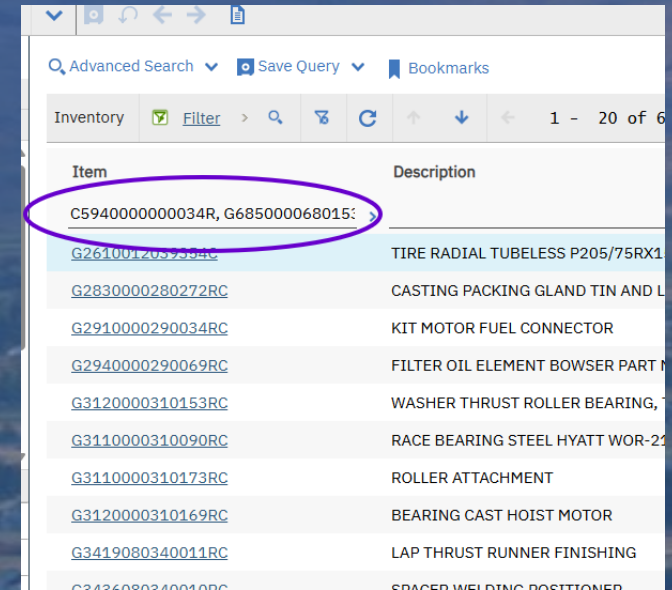
Then search that list in Inventory



Item	Description
C594000000034R	PLUG, ELECTRICAL, MALE
G6850000680153RC	CLEANER, WEAPON, SOLVENT, 4OZ FROGLUBE
G6850000680157RC	CLEANER, WEAPON, PASTE, 8OZ FROGLUBE
G6850000680159RC	CLEANER, WEAPON, LIQUID, 1GAL FROGLUBE
G8010000800164RC	PAINT EPOXY CATALYZED POLYAMIDE TWO PART KIT WHITE
W531000000005RSL	NUT 1/4 - 20 NC ZINC
W5330000000174RS	DUPLICATE WITH W5330-90RS
G6850000680158RC	CLEANER, WEAPON, PASTE, 4OZ FROGLUBE
G6850000680151RC	CLEANER, WEAPON, SOLVENT, 1GAL FROGLUBE
G6850000680154RC	CLEANER, WEAPON, DEGREASER, 1GAL FROGLUBE
G6850000680156RC	CLEANER, WEAPON, PASTE, 1GAL FROGLUBE
G3439000340222RC	WIRE GAS SHIELDED CARBON STEEL
W6240000000004RL	LAMP LED T8 TWO PIN 4 FOOT
W3030000000008RS	SKIMMER BELT, ABANAKI 26 FOOT, KESWICK, SPRING CREEK AND TRINITY PP
W9150000000027RS	GREASE, ULTRA DUTY 2
3759E	SHIPPING CHARGES
MISCE	SHIPPING AND HANDLING
4335E	FEE, HAZARDOUS MATERIALS
3957E	SHIPPING, BOARD FOR REPAIR - UPS
5225E	SURCHARGE, FUEL
W8415000000021R	CAP WELDING 7.25 INCH
W7930014541139	PAD TELEPHONE CLEANING
W7110013288412	CABINET FILE LOCKING
WSE709	DESK
WSE704	DESK
W7110001491669	CABINET LATERAL FILING
W8455008989730	BADGE NAME
W7510008261876	TAPE LABEL EMPOSSING BLACK
SAFEGLASS	SAFETY GLASSES
W7520012074194	STAMP COPY
W73500009261661G	CUP POLYSTYRENE DISPOSABLE 10 OZ
W5120002933171G	SCREWDRIVER STARTER 7/32 X 4
W6850000000045RG	CLEANER LENS POCKET SIZE BX OF 120
W6145000000258RG	WIRE 16 AWG 600V SIS SWITCHBOARD WIRE
W6240000000122RG	LAMP METAL HALIDE 400W
W6240000000089RG	LAMP SODIUM 250W H-P/MOGLU CERAMALUX
W6240000000085RG	LAMP MERC VAPOR 250W/MOGLU BASE SELF-BALLASTED
W5340000000114R	S101 LOCK-LOCKS FOR LOCK OUT TAG OUT
W6515000000008RG	SUPPORT BACK W/SHOULDER STRAPS BLK LARGE
W75100000000059R	TONER CARTRIDGE MAGENTA HP C9723A



Itemnum	description	bor_nsnui	commodit	cor
C594000000034R	PLUG, ELECTRICAL, MALE			
G6850000680153RC	CLEANER, WEAPON, SOLVENT, 4.85E+12	CHEMICALS		
G6850000680157RC	CLEANER, WEAPON, PASTE, 8.85E+12	CHEMICALS		
G6850000680159RC	CLEANER, WEAPON, LIQUID, 1.85E+12	CHEMICALS		
G8010000800164RC	PAINT EPOXY CATALYZED POLYAMIDE TWO PART KIT WHITE			
W531000000005RSL	NUT 1/4 - 20 NC ZINC			
W5330000000174RS	DUPLICATE WITH W5330-90RS			
G6850000680158RC	CLEANER, WEAPON, PASTE, 4.85E+12	CHEMICALS		
G6850000680151RC	CLEANER, WEAPON, SOLVENT, 1.85E+12	CHEMICALS		
G6850000680154RC	CLEANER, WEAPON, DEGREASER, 1.85E+12	CHEMICALS		
G6850000680156RC	CLEANER, WEAPON, PASTE, 1.85E+12	CHEMICALS		
G3439000340222RC	WIRE GAS SHIELDED CARBON STEEL			
W6240000000004RL	LAMP LED T8 TWO PIN 4 FOOT			
W3030000000008RS	SKIMMER BELT, ABANAKI 26 FOOT, KESWICK, SPRING CREEK AND TRINITY PP			
W9150000000027RS	GREASE, ULTRA DUTY 2			
3759E	SHIPPING CHARGES			
MISCE	SHIPPING AND HANDLING			



Item	Description
C594000000034R, G6850000680153RC	
G261001205999RC	TIRE RADIAL TUBELESS P205/75XR1
G2830000280272RC	CASTING PACKING GLAND TIN AND L
G2910000290034RC	KIT MOTOR FUEL CONNECTOR
G2940000290069RC	FILTER OIL ELEMENT BOWSER PART M
G3120000310153RC	WASHER THRUST ROLLER BEARING, T
G3110000310090RC	RACE BEARING STEEL HYATT WOR-22
G3110000310173RC	ROLLER ATTACHMENT
G3120000310169RC	BEARING CAST HOIST MOTOR
G3419080340011RC	LAP THRUST RUNNER FINISHING
G242680340010RC	SPACED WELDING POSITIONER



# Example 2 - Clearing out old Item Masters

We have Inventory items whose Item Masters are in PENDOBS status

Remove all records that have statuses different than Obsolete in the Inventory list. Total the remaining.

We've confirmed approximately 6,000 Item masters and their associated Inventory records are not being used and do not need to be transferred.



## Example 2 - Clearing out old Item Masters

- We are almost ready to bulk change the Item masters from PENDOBS to Obsolete.
- We must first change the Item Org status to PENDOBS and then to obsolete as well!
  - It is key to understand in Maximo that to Obsolete an IM, you must first obsolete the Item Org
  - To Obsolete an Item Org, you must first put Item Org into PENDOBS Status.



## Example 2 - Clearing out old Item Masters

- Finally, we have a dataset identified for bulk upload, we know what we want to do with it, now we format it in MxLoader
- Data set in Column A, Set ID, Item Org, and IM Status

	A	B	C	D
1	<u>MXITEM</u>	<u>ITEM</u>	AddChange	
2	<u>ITEMNUM</u>	<u>ITEMSETID</u>	ITEMORGINFO.STATUS	ITEM.STATUS
3	Y4240000000066R	TEST2	PENDOBS	PENDOBS
4				

	A	B	C	D
	<u>MXITEM</u>	<u>ITEM</u>	AddChange	
	<u>ITEMNUM</u>	<u>ITEMSETID</u>	ITEMORGINFO.STATUS	ITEM.STATUS
	Y4240000000066R	TEST2	OBSOLETE	OBSOLETE





Uploading powerplant location data  
into Maximo (35,000+ records)



## Example 3: Uploading powerplant location data

### Goal:

- The goal is to upload all Reclamation's (53) powerplant's attributes into Maximo for reference and reporting.
- In a nutshell, we want to move our detailed powerplant asset data into Maximo.
- First step is to identify the process, how the data builds on one another
- E.g. you can't upload an attribute to a classification that doesn't exist.



## Example 3: Uploading powerplant location data

The process generally moves from broadest data to specific data when uploading significant amounts of new data:

1. Create new Classification, e.g. Powerplant
2. Create the Attribute fields and add domains as needed called domains. Example attribute: turbine RPM, Example Domain: (50 rpm or 100 rpm)
3. Add the 40+ attributes to the Powerplant Classification
4. Assign Powerplant to 53 powerplant locations
5. Upload the 40+ unique attribute data per powerplant for each of the (53)



# Example 3: Uploading powerplant location data

1	MXCLASSIFICATION	CLASSTRUCTURE	AddChange CLASSSPEC.	Notes: first create Powerplant as a Classification in CARMA, then run this sheet to Add Attributes to Powerplant Class CLASSSPEC.	CLASSSPEC.	CLASSUSEWITH.OBJEC		
2	<u>CLASSIFICATIONID</u>	HIERARCHYPATH	ASSETATTRID	SECTION	DATATYPE	TVALUE	[RESULT]	
3	POWERPLANT	POWERPLANT				LOCATIONS	OK	
4	POWERPLANT	POWERPLANT	ASSET_CLASS		ALN		OK	
5	POWERPLANT	POWERPLANT	OP_STATUS		ALN		OK	
6	POWERPLANT	POWERPLANT	OWNERSHIP		ALN		OK	
7	POWERPLANT	POWERPLANT	O_AND_M_RESP		ALN		OK	
8	POWERPLANT	POWERPLANT	PRIMARY_OP_ENTITY		ALN		OK	
9	POWERPLANT	POWERPLANT	PLANT_TYPE		ALN		OK	
10	POWERPLANT	POWERPLANT	H2O_FAC_TYPE		ALN		OK	
11	POWERPLANT	POWERPLANT	FAC_NAME		ALN		OK	
12	POWERPLANT	POWERPLANT	AREA_OFFICE		ALN		OK	
13	POWERPLANT	POWERPLANT	FIELD_OFFICE		ALN		OK	
14	POWERPLANT	POWERPLANT	PROJECT		ALN		OK	
15	POWERPLANT	POWERPLANT	DOI_REGION		ALN		OK	
16	POWERPLANT	POWERPLANT	MNG_REGION		ALN		OK	
17	POWERPLANT	POWERPLANT	OTHER_SPEC		ALN		OK	
18	POWERPLANT	POWERPLANT	GEN_UNITS		NUMERIC		OK	
19	POWERPLANT	POWERPLANT	PWR_CAPACITY		NUMERIC		OK	

Here we are creating the Powerplant Classification. Then we are creating the 40+ attributes associated with that Classification



# Example 3: Uploading powerplant location data

1	<b>MXOPERLOC</b>	<b>LOCATIONS</b>	<b>AddChange</b>	<b>Notes: f</b>
2	<b><u>LOCATION</u></b>	<b><u>SITEID</u></b>	<b>HIERARCHYPATH</b>	<b>[RESULT</b>
3	BH-BB-PP	WY	POWERPLANT	
4	BH-BO-PP	WY	POWERPLANT	
5	BH-HM-PP	WY	POWERPLANT	
6	BH-PB-PP	WY	POWERPLANT	
7	BH-SH-PP	WY	POWERPLANT	
8	BH-SM-PP	WY	POWERPLANT	
9	BLU-PP	UCP	POWERPLANT	
10	CBT-BT-PP	EC	POWERPLANT	
11	CBT-EST-PP	EC	POWERPLANT	
12	CBT-FI-PP	EC	POWERPLANT	
13	CBT-GM-PP	EC	POWERPLANT	
14	CBT-ML-PP	EC	POWERPLANT	
15	CBT-PH-PP	EC	POWERPLANT	
16	CD - LPH - RPH	CD	POWERPLANT	
17	CD-LPH	CD	POWERPLANT	
18	CD-RPH	CD	POWERPLANT	
19	CD-TPP	CD	POWERPLANT	
20	CF-PP	CF	POWERPLANT	
21	CR-PP	NC	POWERPLANT	
22	CRY-PP	UCP	POWERPLANT	

Here we are assigning the Classification "Powerplant" to all the listed Locations



# Example 3: Uploading powerplant location data

MYOPERLOC	LOCATIONS	AddChange				
LOCATION	SITEID	LOCATIONSPEC.ASSETATTRID	LOCATIONSPEC.DATEVALUE	LOCATIONSPEC.ALNVALUE	LOCATIONSPEC.NUMVALU	[RESULT]
BH-BB-PP	WY	ASSET_CLASS		Hydropower		
BH-BB-PP	WY	OP_STATUS		Online		
BH-BB-PP	WY	OWNERSHIP		Reclamation		
BH-BB-PP	WY	O_AND_M_RESP		Reserved		
BH-BB-PP	WY	PRIMARY_OP_ENTITY		Bureau of Reclamation		
BH-BB-PP	WY	PLANT_TYPE		Conventional		
BH-BB-PP	WY	H2O_FAC_TYPE		Water Conveyance		
BH-BB-PP	WY	FAC_NAME		Shoshone Canyon Conduit		
BH-BB-PP	WY	AREA_OFFICE		MB/ART-Wyoming Area Office		
BH-BB-PP	WY	FIELD_OFFICE		Not Applicable		
BH-BB-PP	WY	PROJECT		0026-Shoshone Project		
BH-BB-PP	WY	DOI_REGION		7-Upper Colorado Basin		
BH-BB-PP	WY	MNG_REGION		MB/ART		
					0	
						3
						18
		NET_PWR_GEN		70254		
		FAC_STATE		Wyoming		
		NERC_QUAL		NO		
		DATE_COMP	~NULL~			
		RISE_ID			4126	
		LATITUDE		44.50816852		
		LONGITUDE		-109.1706613		
		GLOBALID		{09359EF1-A4AE-4B70-B669-3CF537720923}		
BH-BB-PP	WY	FRPP_PROP_NAME		BUFFALO BILL POWERPLANT (3 UNITS)		
BH-BB-PP	WY	FRPP_RPUID		R1458110000S		
BH-BB-PP	WY	FRPP_MAIN_USE_TYPE		40150100: Power System Hydro		
BH-BB-PP	WY	FRPP_BLDG_NUM		10004924/20000008		
BH-BB-PP	WY	MAIN_ASSET_NUM		50000295714		
BH-BO-PP	WY	ASSET_CLASS		Hydropower		
BH-BO-PP	WY	OP_STATUS		Online		
BH-BO-PP	WY	OWNERSHIP		Reclamation		
BH-BO-PP	WY	O_AND_M_RESP		Reserved		

Our Powerplant Location

Attributes



# Show the Spreadsheet Demo



# Result

← List View Location Assets History Safety Meters Specifications Service Address Map Logs

Location: BH-BB-PP POWERPLANT, CONVENTIONAL, WATER CONVEYANCE, SHOSI Site: WY

Classification: POWERPLANT ← This data came from the Asset Registry data for a Hydropower plant and was added to show an example of searching and reporting capabilities.

Class Description: Powerplant

Specifications Filter 1 - 10 of 15

Attribute	Description	Data Type	Date Value	Alphanumeric Value	Numeric Value	Unit of Measure	Table Value
> ASSET_CLASS	Asset Registry Asset Class	ALN		Hydropower			
> PLANT_TYPE	Plant Type	ALN		Conventional			
> H2O_FAC_TYPE	Water Facility Type	ALN		Water Conveyance			
> FAC_NAME	Water Facility Name	ALN		Shoshone Canyon Conduit			
> AREA_OFFICE	Related Area Office	ALN		WYAO			
> FIELD_OFFICE	Related Field Office	ALN		None			
> PROJECT	Related Project	ALN		0026-Shoshone Project			
> DOI_REGION	DOI Region Location Resides Inside	ALN		UCB			
> MNG_REGION	Managing Region	ALN		MB			
> GEN_UNITS	Number of Power Generating Units	NUMERIC			3.0		

# Why Does This Data Quality Matter?

- **Decision-Making Confidence:**
  - Accurate data leads to informed decisions.
- **Predictive and Condition Based Maintenance:**
  - Cost savings relies on quality data; poor data leads to poor predictions.
- **Workforce Productivity:**
  - Trustworthy data speeds up job completion and improves safety.



# What Bad Data Costs You

- Duplicate assets → inflated asset base and bloated budgets.
- Missing equipment specs → emergency parts runs, expediting fees, and overtime.
- Incorrect failure codes → misleading root-cause analyses and repeat failures.
- Orphaned job plans → skipped tasks, rework, and safety risks.
- Inconsistent naming → reporting blind spots and site-to-site apples-to-oranges comparisons.
- *A recent life-science plant calculated that poor CMMS data inflated spare-parts inventory by 12 % and added 4 % to annual maintenance labor costs—far more than the salary of a Maximo expert.*



# MxLoader Broadly

- MxLoader is a powerful tool and should be treated as such requiring an informed operator
- Half Org setup knowledge, half technical knowledge.
- MxLoader isn't simply about loading data.
- It is about understanding how that data is used inside Maximo and improving it



Glen Canyon Dam Generators



Zach Johnson

Enterprise Asset Information Branch

Asset Management Office

Dam Safety and Infrastructure

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Questions?



— BUREAU OF —  
RECLAMATION



# Resource Community – MORE Maximo

The screenshot shows the Resource Community website interface. At the top, there is a navigation bar with links for Home, Groups, Application Suite, Resources, and Browse. A search bar and a 'Create' button are also present. Below the navigation bar, a secondary menu shows 'Community Home', 'Discussion 528', 'Library 34', 'Blogs 0', 'Events 0', and 'Members 257'. The main content area is divided into several sections:

- Key links for mXloader:** A central banner with five blue buttons: 'MxLoader Website', 'Download MxLoader Now!', 'MxLoader Changelog', 'MxLoader Registration', and 'Download MxLoader Users Guide'. This entire section is circled in black.
- Latest Discussions:** A section with a dropdown menu set to 'Most Recent' and an 'Add' button. It contains two discussion threads:
  - BJ Upload Inventory Receipts via MxLoader:** By Bryan Jarecky, 11 days ago. The text reads: "Is there way to upload a list of inventory receipts? Users currently enter one receipt at a time by navigating to Purchasing>Receiving> ...".
  - MM RE: Updating work orders that are in closed (CLS) status ...:** By Michael Marsonet, 26 days ago. The text reads: "Ethan, I have not looked into this too much but typically when updating a Work Order in a status of CLOSED means that the HISTORYFLAG=1 ...".
- Latest Shared Files:** A section with an 'Add' button and one file entry:
  - SB Inspector details are not populating correctly in Asset ...:** By Sai Nithisha Bollavaram, 2 months ago. Posted in: MxLoader.





Please Complete the

# Conference Evaluation in **guidebook**

To be Eligible to Win Door Prizes  
At the End of the Conference

