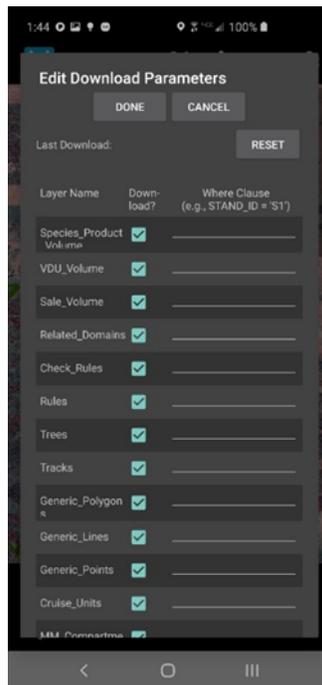


# Michigan Department of Natural Resources

## Editing Download Parameters



Download parameters are used to limit the amount of data being downloaded to your devices. It is recommended that you first upload any features on your device followed by performing an INITIALIZE DATABASE before changing the download parameters and downloading data. This will ensure that you are always seeing the correct data after performing the download. To enter download parameters, you must go into the Action Menu > EDIT DOWNLOAD PARAMETERS. Here there is a list of all layers that are in the feature services that you initialized.

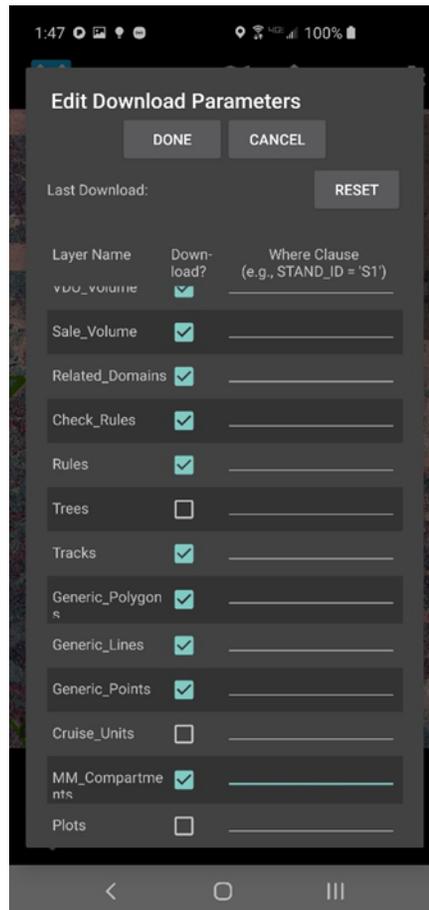


There are two main ways to restrict the amount of data being downloaded. The first way is to choose not to download data. This can be done by unchecking the boxes next to the layers that you do not want to download. The second way is to enter a where clause next to the layer that limits what is being downloaded based on a certain attribute. This will help you see only those features which are relevant for the work you are doing. It also helps to increase the performance of the app by limiting the data being displayed. It is recommended that the stands layer be limited to a compartment or two because a unit's worth of stands can be a large amount of data in some units.



1. There are numerous reasons why you may not want to download the information in a layer. For example, let's say you are heading to the field and intend to build and complete your cruise completely within MobileMap. In this case you would have no need to download any cruise units, plots or trees to the device. The only cruise units and plots you would care about would be the ones you are going to build/record in the field. Any that would be downloaded would be unnecessary for this project.

To do this you would go into the EDIT DOWNLOAD PARAMETERS action and uncheck the boxes next to trees, plots and cruise units. Then click done followed by performing a download.



2. The other thing you can do to limit data being downloaded is building a “where clause” that will limit the data to a specific attribute or list of attributes. To do this you would go into the EDIT DOWNLOAD PARAMETERS and enter a “where clause” then click done followed by performing a download.

For example, you might only want to download treatments, VDUs, compartments, etc. which are in your management unit. In this scenario you would be limiting the data based on the FMU attribute field. Another thing you could do is build a clause so that you only see cruise units or plots where you are the cruiser. If you are a check cruiser you may only be interested in plots which are at a cruised status. These are just a few examples of parameters that may be helpful in your job.

These clauses are case sensitive and must be typed exactly like they show up in the attribute table for that layer. These clauses will only work on layers that have the check box checked to be downloaded. A supplementary list of attributes you may use and examples of clauses you might build are supplied at the end of this document. Use this information to help you write your own clauses.

### Edit Download Parameters

DONE CANCEL

Last Download: 9/23/2020 09:24:13 AM RESET

Layer Name	Download?	Where Clause (e.g., STAND_ID = 'S1')
Species_Product_Volume	<input type="checkbox"/>	_____
VDU_Volume	<input type="checkbox"/>	_____
Sale_Volume	<input type="checkbox"/>	_____
Related_Domains	<input checked="" type="checkbox"/>	_____
Check_Rules	<input checked="" type="checkbox"/>	_____
Rules	<input checked="" type="checkbox"/>	_____
Trees	<input checked="" type="checkbox"/>	FMU='45'
Tracks	<input type="checkbox"/>	_____
Generic_Polygons	<input type="checkbox"/>	_____
Generic_Lines	<input type="checkbox"/>	_____
MM_Compartment	<input checked="" type="checkbox"/>	FMU='45'
Generic_Points	<input type="checkbox"/>	_____
MM_Stands	<input checked="" type="checkbox"/>	FC_Key='45046'
MM_Reference_Polygons	<input type="checkbox"/>	_____
Cruise_Units	<input type="checkbox"/>	_____
MM_Treatments	<input checked="" type="checkbox"/>	FC_Key='45046'
MM_Reference_Lines	<input type="checkbox"/>	_____

Here are the steps you should go through when editing download parameters:

1. Upload any data you have on your device
2. Initialize Database
3. Edit Download Parameters
4. Download

Field Name example 'Where Clause'	FMU FMU='61'	FC Key FC_Key='61143'	District DISTRICTNAME='3'	Sale Name SALE_NAME='Yotta Oak'	Sale Number SALE_NUM='6111420'	Observer Observer='kka'	Cruiser ID Cruiser_ID='jeb'	Cruise Purpose Cruise_Purpose='Timber Sale'	Contract or State Contract_or_State='State'	County County='Kalkaska'	Plot Status Plot_Status='Cruised'	Division Division='FRD'	Polygon Type Polygon_Type='Sale Boundary'
Trees	X	X	X				X	X	X				
Tracks	X					X							
Generic_Polygons	X					X							
Generic_Lines	X					X							
Generic_Points	X					X							
MM_Reference_Polygons	X										X	X	
MM_Reference_Lines	X										X	X	
Cruise_Units	X	X	X				X	X	X				
MM_Treatments	X	X		X	X								
MM_VDUs	X	X											
MM_Stands	X	X											
MM_Reference_Points	X										X	X	
Plots	X	X	X				X	X	X		X		
MM_Compartment	X	X	X							X			

<b>Forest Management Unit (FMU)</b>	<b>District Name</b>	<b>#</b>	<b>Plot Status</b>
Baraga	West UP FD	1	Planned
Crystal Falls	East UP FD	2	Cruised
Gwinn	Northwest LP FD	3	Checked
Escanaba	Northeast LP FD	4	Archived
Shingleton	West UP WLD	81	
Newberry	East UP WLD	82	<b>Polygon Type</b>
Sault Ste Marie	NorthWest LP WLD	83	Stand
Gaylord	NorthEast LP WLD	84	Treatment
Pigeon River	Saginaw Bay WLD	85	Site Condition
Atlanta	SouthEast LP WLD	86	Conservation Easement
Traverse City	SouthCentral LP WLD	87	Trout Buffer
Cadillac	SouthWest LP WLD	88	Adjacent Sale
Roscommon	Western UP PD	901	Retention Area
Gladwin	Straits PD	902	Sale Boundary
ONF - Bergland	Roscommon PD	903	Wetland
ONF - Bessemer	Cadillac PD	904	Non-State Ownership
ONF - Iron River	Bay City PD	905	DWC
ONF - Kenton	Plainwell PD	906	
ONF - Ontonagon	Rose Lake PD	907	<b>Division</b>
ONF - Watersmeet	Metro Detroit PD	908	FRD
HNF - Rapid River			PRD
HNF - Manistique			FSH
HNF - Munising	<b>Cruise Purpose</b>		USFS
HNF - St. Ignace	Timber Sale		
HNF - Sault	Inventory		
HMNF - Baldwin	Check Cruise		
HMNF - Cadillac	Other		
HMNF - Mio			
HMNF - Huron Shores			