

COUNTY TO BE WEB SCRAPED: TRAVIS

Developer needs to have VPN to work on this county.

Developer needs to deliver a script that will web scrape both pages from the county:

Appraiser's web page:

<http://propaccess.traviscad.org/clientdb/?cid=1>

Tax Collector web page:

<https://tax-office.traviscountytexas.gov/properties/taxes/account-search>

These 2 links need a single input which is a long number called "Parcel ID". The Parcel ID is the ID of every single property within a county.

The script needs to have the feature of that can be stopped and re-started. So when it restarts, it will ask me the question to resume from the beginning or to continue from where it left off.

When it re-starts, it needs to pick up from the next Parcel ID and continue web scraping until the last Parcel ID.

Once the script is finished, developer will send me 10,000 Parcel IDs to see the output file data and see how the script works. Once the output file looks ok, developer can send me the script for me to test it in my computer to see how it works. Once it is approved, then developer gets paid.

Same idea is for all other counties.

The Appraiser's web page has information about:

- Owner's Mailing address: this is the address where the owner might be living in or just receiving his/her bills
- Owner's Property Address: This is the address of the property the Parcel ID is referring to and the one which is out target property
- Owner's Property Information: The Appraiser's web page has information about the property itself. Most of the data the script will be web scraping is about the property information. In a county there are usually many types of properties, with different usage, and different sides. We can group all properties into 2 groups: One are the Unimproved property, which refers to vacant land and the other one is call Improved Property, which refers to a property that has something built on it.

The Tax Collector's web page has the following information:

- Owner's Mailing address: Same or similar to the Appraiser's web page
- Owner's Property Address: Same or similar to the Appraiser's web page
- Owner's Property real estate tax information: In this section, the web scrape will scrape data about the tax status of the property.

Parcel IDs file

Regarding the Parcel ID in Travis county, there is one peculiarity, which is: Some of these Parcel ID, when entered into the Appraiser's web page and the Tax Collector web page, will show 2 properties. We will web scraped both properties. Some other Parcel ID will return only 1 property. Its assumed that if the Appraisers page shows 2 properties, the Tax Collector will show the same 2 properties.

Parcel IDs

Please find attached a document with a list of Parcel IDs to be used as the input file.

Screenshots

I am also attaching several screenshots that indicates what is the data that needs to be web scrapped and in which column on my template spreadsheet needs to be placed.

Template spreadsheet – Output File

Also find attached my template spreadsheet that will be used as the output file

The data that is web scrapped will be placed under the corresponding headers shown in the template spreadsheet.

Note: Please do not use column location as a way to place the data in my spreadsheet, but use instead the header names. This way if I need to add or delete columns from my template spreadsheet, the script will follow the headers name and not the column position which will be changed once I delete or add columns.

At the bottom of this document, you will see all the Columns Position and the Header Name for your reference.

EXPLANATION ON HOW TO MAKE THE SCRIPT READ THE DATA

Deleted Account

Under column AG "SOLD XXXX AUCT XXXX STDA XXXX Developed Deleted Account MLS Exp", the script will write "Deleted Account" when the Appraiser's web pages return a message as "Deleted Account" after the scripts enters a Parcel ID. These are some samples of deleted accounts shown in the Dallas county Appraiser's link since I do not have any sample to show from the Travis Appraisers web page. Here is the link to the Dallas county Appraiser where you can see some samples:

<https://www.dallascad.org/SearchAcct.aspx>

These are the Parcel IDs that are deleted:

00000537255500400

00000128947000000

00000129193000000

Property Value

There are some Parcel IDs where the Appraiser web pages does not show any of the following values:

Market Value:

Land Value:

Improvement Value:

Capped Value:

Agricultural Value:

But sometimes these values are found in the Tax Collector web page. For example, using again Dallas county for now since I do not have any sample in Travis county, the following Parcel ID shows data in the Dallas county Tax Collector but no values are found in the Appraisers web page:

https://www.dallasact.com/act_webdev/dallas/searchbyaccount.jsp

Parcel ID: 00000218833000000.

So, this is what the script has to do: When it sees (read) that the values from the Appraiser's web page are empty, it will leave the row empty. Then when it goes to the Tax Collector web page and find that some or all the terms below have values, it will read the values and place the values under the corresponding columns:

P	JUST MARKET VALUE
Q	LAND VALUE
R	IMPROVEMENT VALUE
S	AGRICULTURAL VALUE
T	x_features_val Timber Value
U	JUST MARKET VALUE

Areas

Column "LAND ACRES" is only for numbers, not for writing the unit or "Unassigned". Units like SQUARE FEE, ACRE, and UNASSIGNED are for column DK "Unassigned Calculated area in SqFt".

When the property area has more than 1 area, then the script should add up all the areas and write the total under column AS "AREA_SIZE SqFt".

Dallas County Multiple area sample

There are some parcel IDs that have multiple areas, like this one:

Parcel ID: 14105140010020000

This parcel ID shows that in this property there are 2 areas, and each area has 57,150.0000 SQUARE FEET

The script will have to add up both areas and write the total, 114,300 SQUARE FEET under column:

DL "LAND SQ FT LND_SQFT"

Improvements

DALLAS COUNTY: The following information is for Dallas County Appraiser web page

In some counties, in the Appraiser web page, there are some properties that have 3 different types of headers, or sometimes there is only one of the following 3 headers:

Main Improvement: Data goes between columns "# Story" and "DEPTH" See pic 4b

Improvements: Data goes between columns "# Story" and "DEPTH" See pic 4b

Additional Improvements: Data goes between columns "IMPR_TYP_DESC" to "VAL_AMT") See pic 4b and Pic 4e

The script needs to be able to distinguish these 3 headers and place the data under the corresponding column.

Garage info under sections IMNPROVEMENTS or MAIN IMPROVEMENTS:

When there is "GARAGE" information under section IMPROVEMENTS or MAIN IMPROVEMENTS, then the script will read the information shown in the Appraiser's web page under title "Desc:" the script will enter the info under columns "GARAGE TYPE" and "Total Area"

Sample Parcel ID 00000110712009900

Owner's Name

The 1st row in the section of the Owner's Mailing Address has always the name of the owner, so the 1st line goes under column FT "APPRAISERS OWNER'S NAME 1" when web scraping the Appraiser's web page and under column GT "TAX COLLECTOR OWNER'S NAME 1" when web scraping the Tax Collector web page.

If the 2nd line begins with a digit 0-9 AND there is a space between the last digit and the character after the space it's a letter or a digit, then the script will consider it as an address and it goes to column "Address 1".

Sample of an address 334 10th Street.

If the 2nd line begins with a digit 0-9 AND but there is NO space between the last digit and following characters, then the script will consider it as a name and it goes to "APPRAISERS OWNER'S NAME 1" when web scraping the Appraiser's web page and under column GT "TAX COLLECTOR OWNER'S NAME 1"

Sample of a Name with digits 123Contractors LLC

2nd row, Name or Address?

When it comes to writing a code to read the 2nd line of the Owner's Name and Owner's Mailing Address in the Appraiser and Tax Collector web pages, the 2nd line usually can contain the name of the second owner or the owner's mailing address. The programmer will need to pay attention when writing the code to make sure the

script is able to differentiate between a name and an address. Here are some of the differences that can be written in the script code:

If 2nd row begins with:

&
%
DBA
D/B/A
AKA
A/K/A
ATTN
ATTEN
ATT
C/O
EST
ESTATE
ETAL
ET AL
FBO
LTD
REM
S/C
TRUST
IRREVOCABLE
SERIES

then the 2nd row it's a name and it goes under column:

FV APPRAISERS OWNER'S NAME 2

Or under column:

GP Tax Collector Owner's Name 2

Depending on if the script is web scraping the Appraiser or the Tax Collector web page.

Some companies have numbers in the name without space, like for example

123Construction

1&1Construction

These are not an address because there is no space between the numbers and the letters or the next character.

3rd row, Name or Address?

The 3rd row will always be considered as an address, so as the 1st line address, it will be placed under column

Address 1

Once the script identifies that the address begins on the 2nd row or on the 3rd row, then the script will take into account every coma to split the address among the columns "**Address 1**", "**Address 2**", and "**Address 3**"

Countries, Independent regions, and Islands

Please find attached a list of 129 Countries, Independent regions, and Islands that the scripts needs to be able to identify. Once the country is identified, then it will be placed under column:

Appraiser Owner's Country

OR

TAX COLLECTOR OWNER'S MAILING COUNTRY

Additionally, once the country is identified, what ever is before the country or in the line above or up to the next coma, it will go under column

APPRAISER OWNER'S MAILING CITY

OR

TAX COLLECTOR OWNER'S MAILING CITY

For example, in Harris County Appraiser's web page we have 2 cases:

Parcel ID: **1289640010003**

MALCOLM VIDA	Under column "APPRAISER OWNER'S NAME 1"
GARVIN MARLENE	Under column "APPRAISER OWNER'S NAME 2"
MCCAULAY PARK W	This is the 3 rd row, then it goes under column Address 1
CALIFORNIA, TRINIDAD	See note below
WEST INDIES	"Appraiser Owner's Country"

"WEST INDIES" IS IN THE LIST OF COUNTIRES AND HGOES UNDER COLUMN "Appraiser Owner's Country"

Whatever is the row above the country and after the coma, if there is any coma, it goes under column "APPRAISER OWNER'S MAILING CITY". In this case "TRINIDAD" is in the row above 'WEST INIDIES" AND is after a coma, then "TRINIDAD" goes under column "APPRAISER OWNER'S MAILING CITY"

"CALIFORNIA" is on the 4th row ANDthe "APPRAISER OWNER'S MAILING CITY" is taken spot AND **Address 1** Its already a taken spot so then it goes under column **Address 2**

Note: The 3rd row is not a state, a province nor a country, so it stays under column **Address 1**

Parcel ID: **0422650010135**

JOULE TRADING LIMITED	Under column "APPRAISER OWNER'S NAME 1"
ATTEN: MARTIN ANTENEY-HOARE	Under column "APPRAISER OWNER'S NAME 2" because begis with "ATTEN"
15 ATHOL ST	This is the 3 rd row, then it goes under column Address 1
DOUGLAS, ISLE OF MANN	See note below
UK	"Appraiser Owner's Country"

"ISLE OF MANN" is on the row above the country and after the coma, so then it goes under column "APPRAISER OWNER'S MAILING CITY"

" DOUGLAS" is on the 4th row ANDthe "APPRAISER OWNER'S MAILING CITY" is taken spot AND **Address 1** Its already a taken spot so then it goes under column **Address 2**

Parcel ID: **1162760000062**

SHAO TZU TSUN	Under column "APPRAISER OWNER'S NAME 1"
303 SEC 2 SA TAN RD	Under column "Address 1"
TATU VILLAGE	Under column "Address 2"
TAICHUNG	Under column "APPRAISER OWNER'S MAILING CITY" since its in the row before the country
TAIWAN ROC	Under column "Appraiser Owner's Country" (You can ignore ROC)

Appraiser and Tax Collector Owner's Mailing address and Owner's Property Address

In the template we have 4 sections regarding addresses as shown below. In these 4 sections I have color code the Addresses 1, 2, and 3

- Address 1
- Address 2
- Address 3

When I write a rule for Address 1, the rule will apply to all 4 Address 1 shown in the 4 sections as shown below. Same thing goes for Address 2 and Address 3.

1. Appraiser's Owner Mailing Address
2. Appraiser's Owner Property Address
3. Tax Collector's Owner Mailing Address
4. Tax Collector's Owner Property Address

For the **Appraiser's Owner Mailing address**, the template has the following columns that the script needs to populate:

Note: Where there is an "X", it means that the script will leave this column in blank.

FT	APPRAISERS OWNER'S NAME 1		
FU	X		
FV	APPRAISERS OWNER'S NAME 2		
FW	APPRAISER OWNER'S MAILING Address 1		
FX	X		
FY	"APPRAISER OWNER'S MAILING Address 2	Suit #	Apt #"
FZ	"APPRAISER OWNER'S MAILING Address 3	Building"	
GA	APPRAISER OWNER'S MAILING CITY		
GB	"Appraiser Owner's Mailing State OR Province"		
GC	"Appraiser Owner's Mailing ZIP Code OR Postal Code"		
GD	Appraiser Owner's ZIP Code corrected with spreadsheet program		
GE	Appraiser Owner's ZIP Code Extension		
GF	X		
GG	Appraisers Owner's Country		

For the **Appraiser's Owner Property Address**, the template has the following columns that the script needs to populate:

JB	Appraisers Property Address 1
JC	"Appraisers Property Address 2 Suit # Apt #"
JD	"Appraisers Property Address 3 Building"
JE	Appraisers Property City
JF	Appraisers Property State
JG	Appraisers Property ZIP Code POSTAL CODE
JH	Appraisers STREET NAME

For the **Tax Collector's Owner Property Address**, the template has the following columns that the script needs to populate:

GT	TAX COLLECTOR OWNER'S NAME 1
GU	TAX COLLECTOR OWNER'S NAME 2
GV	TAX COLLECTOR OWNER'S MAILING Address 1
GW	TAX COLLECTOR OWNER'S MAILING Address 2 Suit # Apt #
GX	TAX COLLECTOR OWNER'S MAILING Address 3 Building
GY	TAX COLLECTOR OWNER'S MAILING CITY
GZ	TAX COLLECTOR OWNER'S MAILING STATE OR PROVINCE
HA	TAX COLLECTOR OWNER'S MAILING ZIP CODE OR POSTAL CODE
HB	TAX COLLECTOR OWNER'S MAILING ZIP CODE EXTENTION
HC	X
HD	TAX COLLECTOR OWNER'S MAILING COUNTRY

For the **Tax Collector's Owner Property Address**, the template has the following columns that the script needs to populate:

JL	Tax Collector Property Address 1
JM	Tax Collector Property Address 2 Suit # Apt #
JN	Tax Collector Property Address 3 Building
JO	Tax Collector Property City
JP	ax Collector Property State
JQ	Tax Collector Property ZIP Code POSTAL CODE
JR	Tax Collector STREET NAME

Orientation Street

Many of the street uses street orientations, such as North, N, South, S, East, E and West, W. For example, let's says the Appraiser's Owner Mailing address is: 1234 Main Street E. The script will write under "**Address 1**" the address "1234 Main Street E"

So, the script will keep under this column in the same cell: Street Number, Street Name, Street Suffix, and Street Orientation

For example the orientation can be placed before or after the street number and street name, like this:

539 W 25TH ST UNIT C
OR
539 25TH ST W UNIT C

So in order to keep the address together under the same column, we will add this criteria:

If the orientation is follow by a number, then the address after the orientation stays together under the same column.

Street Type/Suffix

After the street number and street name, there is always a description of the street type called "Suffix". Below there is a list of suffixes that the script will need to incorporate and be able to identify when web scraping.

Rule: If there is no street orientation after the suffix, then anything that is after these suffixes, the script will write it in the next column "**Address 2**". And anything up to the suffix or street orientation if included in the address, will stay under column "**Address 1**":

PKWY, PARKWAY
ALY, ALLEY
AVE, AVENUE
BCH, BEACH

BLVD, BOULEVARD
BRG, BRIDGE
BYP, BYPASS
CTR, CENTER
CIR, CIRCLE
CT, COURT
CRK, CREEK
CRES, CRESCENT
XING, CROSSING
XRD, CROSSROAD
DR, DRIVE
EST, ESTATES
GTWY, GATEWAY
GRV, GROVE
HBR, HARBOR
HVN, HAVEN
HLS, HILLS
INLT, INLET
IS, ISLAND
LK, LAKE
LN, LANE
LOOP
MNR, MANOR
MDW, MEADOW
MT, MOUNT
MTN, MOUNTAIN
ORCH, ORCHARD
PKWY, PARKWAY
PASS
PL, PLACE
PLZ, PLAZA
RNCH, RANCH
RDG, RIDGE
RD, ROAD
RTE, ROUTE
SHR, SHORE
SKWY, SKYWAY
SPG, SPRING
SQ, SQUARE
STA, STATION
STRM, STREAM
ST, STREET
SMT, SUMMIT
TER, TERRACE
TRL, TRAIL
TPKE, TURNPIKE
VLY, VALLEY
VW, VIEW
VLG, VILLAGE
VIS, VISTA
WAY

How can the script identify if in the address there is a suffix? The script will read the address, then after every space will check if the next 2 letters match one of the suffixes listed above. If it matches, then it will be kept the address together with the street number and street name. Below are some samples:

For example, if the web page shows these addresses:

1. 4825 NORTHRIDGE CT NE
2. 2319 CREEKSIDE CIR N
3. 1 CVS DR MC 2320
4. 1220 CORPORATE DR E
5. 100 N COTTONWOOD DR 104

The script will read the address above and write under column **Address 1** and **Address 2** this is way:

- | | | | |
|---------------------|-------|----------------------|------------------------------|
| 1. 4825 NORTHRIDGE | CT NE | (Address 1) | |
| 2. 2319 CREEKSIDE | CIR N | (Address 1) | |
| 3. 1 CVS DR | | (Address 1) | MC 2320 (Address 2) |
| 4. 1220 CORPORATE | DR E | (Address 1) | |
| 5. 100 N COTTONWOOD | DR | (Address 1) | 104 (Address 2) |

Some time there are more than one suffix in the same address, like for example:

3000 TURTLE CREEK BLVD

The script should include all the suffix under the same column and then place the rest of the following address in the next column

Exception to the above rule

If in the address we have any of these 3 words/abbreviations, these are not suffixes, but street name. So, if the address has any of these words/abbreviations, then the script will keep the address all together under column **Address 1**:

EXPY, EXPW, EXPRESWAY (including numbers after EXPY, EXPW, EXPRESWAY, but not letters)

FWY, FRWY, FREEWAY (including numbers after FWY, FRWY, FREEWAY, but not letters)

HWY, HIGHWAY (including numbers after HWY, HIGHWAY, but not letters). See sample Parcel ID 600385000510A0000

Warning:

For example, there are some street names that might include some of the abbreviations in the list above. For example, there are some streets that are name "STEMMONS FWY". When the script reads "STE", it might think that it's a street suffix instead of a street name. In this case the code needs to include a space before and after "STE" to make sure it different between the street name and the suffix.

After Street Suffix and Street Orientation

Whatever is after the Street Suffix and Street orientation if any, it will go to the next column **Address 2** as well as to column **Address 3** If condition applies.

For example, if the address is as this one

1234 MAIN ST E APT A BLDG B

The script will write:

1234 MAIN ST E	Address 1
APT A	Address 2
BLDG B	Address 3

In this address the script will be able to identify the orientation “E” and write “**1234 Main St E**” under column **Address 1** and move the rest of the address to the following column(s)

So, after the suffix or street orientation, if there is any additional address information, then it will be following by the following abbreviations, words, or characters:

PTA
STE

APT
BLDG
LOT
SUITE
PMB
SPACE
UNIT
FLR
FLOOR

These characters follow by any digit will be placed under column **Address 2**

Any address that has “BLDG” will go under column **Address 3**

Only Street Name

Columns JH “Appraisers STREET NAME” and column JM “Tax Collector Street Name” will be exactly as **Address 1** but without the street number. For example, if the Appraiser’s web page shows the street address as:

1131 11th St E

then under column **Address 1** will write “1131 11th St E” and under “Appraisers Street Name” will write “11th St E”.

Same rule applies for “Tax Collector Street Name” about the address in the Tax Collector web page.

Ownership %

Ownership goes under column "Ownership %". No need to use the “%” sign

States/Provinces Abbreviations

Usually on the 3rd line or 4th line of the Owner’s mailing address, there is the State or Province in case the owner is from outside of USA. The State or Provinces usually is after a coma. Once the script reads the state, if the State is written in the page with its full name, the script will write in the template the abbreviation of the State or Province. This information will be place under the following columns:

Column GB “Appraiser Owner's Mailing State OR Province” when the script is reading the Appraiser’s web page

Column GZ “TAX COLLECTOR OWNER’S MAILING STATE OR PROVINCE” when the script is ready the Tax Collector web page.

The code should include all the US, Canada, and UK abbreviations. Below are the abbreviations for USA and Canada:

USA:

ALABAMA	AL
ALASKA	AK
AMERICAN SAMOA	AS
ARIZONA	AZ
ARKANSAS	AR

CALIFORNIA	CA
COLORADO	CO
CONNECTICUT	CT
DELAWARE	DE
DISTRICT OF COLUMBIA	DC
FLORIDA	FL
GEORGIA	GA
GUAM	GU
HAWAII	HI
IDAHO	ID
ILLINOIS	IL
INDIANA	IN
IOWA	IA
KANSAS	KS
KENTUCKY	KY
LOUISIANA	LA
MAINE	ME
MARYLAND	MD
MASSACHUSETTS	MA
MICHIGAN	MI
MINNESOTA	MN
MISSISSIPPI	MS
MISSOURI	MO
MONTANA	MT
NEBRASKA	NE
NEVADA	NV
NEW HAMPSHIRE	NH
NEW JERSEY	NJ
NEW MEXICO	NM
NEW YORK	NY
NORTH CAROLINA	NC
NORTH DAKOTA	ND
NORTHERN MARIANA IS	MP
OHIO	OH
OKLAHOMA	OK
OREGON	OR
PENNSYLVANIA	PA
PUERTO RICO	PR
RHODE ISLAND	RI
SOUTH CAROLINA	SC
SOUTH DAKOTA	SD
TENNESSEE	TN
TEXAS	TX
UTAH	UT
VERMONT	VT
VIRGINIA	VA
VIRGIN ISLANDS	VI
WASHINGTON	WA
WEST VIRGINIA	WV
WISCONSIN	WI
WYOMING	WY

Provinces of Canada:

Newfoundland and Labrador	NL
Prince Edward Island	PE
Nova Scotia	NS
New Brunswick	NB
Quebec	QC
Ontario	ON
Manitoba	MB
Saskatchewan	SK
Alberta	AB
British Columbia	BC
Yukon	YT
Northwest Territories	NT
Nunavut	NU

USA ZIP Codes / Canada Postal Codes / United Kingdom Postcode

Under the following columns the script will place the USA ZIP Codes or Canada Postal Codes or United Kingdom Postcode

Column GC "Appraiser Owner's Mailing ZIP Code OR Postal Code" when the script is reading the Appraiser's web page

Column HA "TAX COLLECTOR OWNER'S MAILING ZIP CODE OR POSTAL CODE" when the script is reading the Tax Collector web page.

The USA ZIP Code are composed only of digits and usually they are shown in the Appraiser and Tax Collector Owner's mailing address.

The Canada Postal Code and UK Post Code are composed of digits and numbers, so we will call them characters. They are usually composed of 6 or 8 characters with a space in the middle. The script will have to be able to read the 1st 3 or 4 characters and compare the characters with the attached list of Postal Codes and Postcodes. Once it finds a matching character, the script will copy the full version of the Postal Code or Postcode and place it under the columns mentioned above. The script will also copy from the attached spreadsheet the corresponding city to that Postal Code/Postcode and place the city under column:

GT "APPRAISER OWNER'S MAILING CITY" when the script is reading the Appraiser's web page

HR "TAX COLLECTOR OWNER'S MAILING CITY" when the script is reading the Tax Collector web page.

For example, lets says that the web pages shows the Owner's Billing Address from Canada is:

John Smith
19 Nolan Ave, Ottawa
ON K1Y, Canada

Then the script once it starts reading the 3rd line, it should be able to identify the Province abbreviation "ON" and place it under one of the columns:

Column GB "Appraiser Owner's Mailing State OR Province"" when the script is reading the Appraiser's web page

Column GZ "TAX COLLECTOR OWNER'S MAILING STATE OR PROVINCE", when the script is reading the Tax Collector web page.

Then it will read the following 3 characters "K1Y" and check with the attached table the full version of the Postal Code which is "K1Y 3R2" and place the Postal Code under column

Column GC "Appraiser Owner's Mailing ZIP Code OR Postal Code", when the script is reading the Appraiser's web page
Column HA "TAX COLLECTOR OWNER'S MAILING ZIP CODE OR POSTAL CODE", when the script is reading the Tax Collector web page.

See attached the list of Postal Codes from Canada and Postcodes from UK.

From the Dallas County Appraiser web page, there are some samples of Postal Codes that needs to be placed under column "Appraiser Owner's Mailing ZIP Code OR Postal Code":

00000110712009900
00000110712750000
00000101947000000
00000101968000000
00000101956000000
00000101953000000
00000101938000000

Investor/Owner

Many counties show in the page of the Tax Collector who paid the taxes. Under the following column, the script will write "Owner" or Investor. It will write Owner when the name of the Owner and the name of the taxpayer are the same. If the name of the owner does not match with the name of the taxpayer, then the script will write "Investor"

NY "Redeemed or paid by 1. Owner 2. Investor 3. UNK 4. Change of address 5. USAR 200X (if changed Title from a NUSAR) 6. Lot for sale by County 7. Certificate of title 20XX 8. Calles Developments 9. Fiduciary"

1st and last year of Unpaid Taxes

Column "1st year of Unpaid taxes" will show the year of the 1st unpaid year of taxes.

For example, with Dallas County Tax Collector:

https://www.dallasact.com/act_webdev/dallas/searchbyaccount.jsp

If we enter Parcel ID 00000679273000000

The click on Parcel ID, then click on "Taxes Due Detail by Year and Jurisdiction", it will show that this owner has not paid taxes since 2003. So, the 1st year of unpaid taxes is 2003, and the script will write "2003" under column:

ME "1st year of Unpaid taxes"

Then it also shows that the taxes have not been paid up to 2020, so the last year of unpaid taxes is 2020. Then under column:

MF "Last year of Unpaid taxes"

The script will write "2020"

Date of Sale

Column LQ "LAST SALE DATE DEED TRANSFER DATE" needs to show the lats date or the Deed transfer date in the format of: MM/DD/YY

Column LP "LAST YEAR SALE" will show only the year of the last sale of the yare of the deed transfer.

If there is no date, then the script should write "N/A" in both columns

COLUMNS POSITION AND HEADER NAMES

A State
B COUNTY
C "PARCEL ID - APPRAISER"
D "PARCEL ID - TAX COLLECTOR MAP"

E	"ALKEY #	Geographic ID	Map Facet	BLOCK"		
F	"Map ID	LOT"				
G	ALTKEY #					
H	ZONING					
I	"SITE CODE	BAS_STRT	BLDG_CLASS_CD	State Code"		
J	"Valuation Group	Type"				
K	DESCRIPTION / EXPLANATION OF CASE USED IN COLUMN "H"					
L	"MOBILE HOME/VACANT LOT CORRESPONDING PARCEL ID		GIS_PARCEL_ID	LAND USE CODE		
	Neighborhood CD"					
M	"QUAL_CD1	STATE USE CODE"				
N	"Use Code	Use Type	DOR_UC	Property Class	2"	
O	"Use Code	Use Type	DOR_UC	Property Class	1a"	
P	JUST MARKET VALUE					
Q	LAND VALUE					
R	IMPROVEMENT VALUE					
S	AGRICULTURAL VALUE					
T	"x_features_val Timber Value"					
U	JUST MARKET VALUE					
V	X					
W	X					
X	X					
Y	X					
Z	X					
AA	X					
AB	X					
AC	X					
AD	X					
AE	X					
AF	X					
AG	"SOLD XXXX	AUCT XXXX	STDA XXXX	Developed	Deleted Account	MLS Exp"
AH	X					
AI	X					
AJ	X					
AK	X					
AL	MY PROPERTY RANKING					
AM	# Of Stories					
AN	NUMBER OF UNITS APPARTMENTS					
AO	Elevator stops #					
AP	"DESIRABILITY_RATING	Class Code	Cond / Desir / Util	Economic Obsolence"		
AQ	BLDG_CLASS_DESC					
AR	"Quality"					
AS	"Condition	Physical Condition"				
AT	"Construction Type	Construction Frame"				
AU	"Foundation	Foundation Type"				
AV	Roof Type					
AW	Roof Material					
AX	Fence Type					
AY	"Ext. Wall Material	1"				
AZ	"Exterior Wall	2"				
BA	"Exterior Wall	3"				
BB	Basement					

BC	Heating
BD	Air Condition
BE	# Wet Bars
BF	# Fireplaces
BG	Sprinkler (Y/N)
BH	"SPA # "
BI	Pool (Y/N)
BJ	SAUNA_IND
BK	# Of KITCHENS
BL	Room: Total
BM	Room: Rec
BN	# OF BEDROOMS
BO	# OF FULL BATHROOMS
BP	# OF 1/2 BATHROOM
BQ	GARAGE TYPE
BR	"Improvement Type # Garage"
BS	IMPR_TYP_DESC (Improvements type description)
BT	"Additional Improv Area (SqFt) Garage area"
BU	IMPR_DESC (improvement description)
BV	# of Additional Improvements with same State Code
BW	"TOTAL MAIN/ BUILDING AREA SQ FT This is for Improved Properties but not Living Areas #1"
BX	"RESIDENCE Total Living Area Mobile Home Lease area"
BY	"MULTIPLE RESIDENCE Total Living Area"
BZ	"HIGHRISE APARTMENT Total Living Area"
CA	"Total area BASE AREA PRI (Downstairs)"
CB	"Total area BASE AREA UPR (Upstairs)"
CC	"YEAR BUILT #1"
CD	FRONTAGE
CE	DEPTH
CF	OFFICE/FLEX
CG	RESTAURANT
CH	LAUNDROMAT
CI	"STORAGE WAREHOUSE Total area"
CJ	X
CK	X
CL	IMPROVEMENTS F1
CM	"DECK UNCOVERED TOTAL #"
CN	"DECK UNCOVERED AREA SQFT"
CO	"DECK COVERED TOTAL #"
CP	"DECK COVERED AREA SQFT"
CQ	"Number of PATIO/PORCH Total # of OPEN FRAME PORCH PRI"
CR	"Total area OPEN FRAME PORCH PRI"
CS	"Total # of OPEN FRAME PORCH UPR"
CT	"Total area OPEN FRAME PORCH UPR"
CU	"Total area OPEN MAS PORCH PRI"
CV	"Total area ENCL FRAME PORCH PRI"
CW	"Total area ENCL FRAME PORCH UPR"
CX	"Total area CARPOT PRI"
CY	"Total area MAS/CONC/ PATIO PRI"
CZ	"Total area STONE/TILE PATIO UPPER"
DA	"Total # of Canopy"

DB	"Total area of Canopy"
DC	"TERRACE Total area"
DD	FENCE
DE	Loading Dock
DF	Asphalt
DG	"PAVED AREA Total area"
DH	X
DI	X
DJ	IMPROVEMENTS
DK	IMPR_TYP_DESC
DL	IMPR_DESC
DM	YEAR BUILT 2
DN	CONSTR_TYP_DESC
DO	FLOOR_TYP_DESC
DP	EXT_WALL_DESC
DQ	NUM_STORIES
DR	"AREA_SIZE SqFt"
DS	"VAL_AMT \$"
DT	Additional Property Improv
DU	"MOBILE HOME TYPE Description"
DV	MBL_HOME_SER_NUM
DW	MBL_HOME_MANUFCTR
DX	MBL_HOME_LENGTH
DY	MBL_HOME_WIDTH
DZ	"MBL_HOME_SPACE/AREA #"
EA	MOBILE HOME
EB	PROPERTY DETAILS
EC	TYPE OF UNIT
ED	"Unassigned Calculated area in SqFt"
EE	"LAND SQ FT LND_SQFT"
EF	LAND ACRES
EG	X
EH	X
EI	X
EJ	X
EK	X
EL	X
EM	X
EN	X
EO	X
EP	X
EQ	X
ER	X
ES	X
ET	X
EU	X
EV	X
EW	X
EX	X
EY	X
EZ	X

FA	X		
FB	X		
FC	X		
FD	X		
FE	X		
FF	X		
FG	X		
FH	X		
FI	X		
FJ	X		
FK	X		
FL	X		
FM	X		
FN	X		
FO	X		
FP	X		
FQ	X		
FR	X		
FS	X		
FT	X		
FU	X		
FV	X		
FW	X		
FX	X		
FY	X		
FZ	X		
GA	X		
GB	X		
GC	X		
GD	X		
GE	X		
GF	X		
GG	X		
GH	X		
GI	X		
GJ	X		
GK	X		
GL	X		
GM	APPRAISERS OWNER'S NAME 1		
GN	X		
GO	APPRAISERS OWNER'S NAME 2		
GP	APPRAISER OWNER'S MAILING Address 1		
GQ	X		
GR	"APPRAISER OWNER'S MAILING Address 2	Suit #	Apt #"
GS	"APPRAISER OWNER'S MAILING Address 3	Building"	
GT	APPRAISER OWNER'S MAILING CITY		
GU	"Appraiser Owner's Mailing State	OR	Province"
GV	"Appraiser Owner's Mailing ZIP Code	OR	Postal Code"
GW	Appraiser Owner's ZIP Code corrected with spreadsheet program		
GX	Appraiser Owner's ZIP Code Extension		
GY	Appraiser Owner's Region		

GZ	Appraisers Owner's Country
HA	X
HB	X
HC	X
HD	X
HE	X
HF	X
HG	X
HH	X
HI	X
HJ	X
HK	X
HL	Appraiser Owner's Contact Info
HM	TAX COLLECTOR OWNER'S NAME 1
HN	TAX COLLECTOR OWNER'S NAME 2
HO	TAX COLLECTOR OWNER'S MAILING Address 1
HP	"TAX COLLECTOR OWNER'S MAILING Address 2 Suit # Apt #"
HQ	"TAX COLLECTOR OWNER'S MAILING Address 3 Building"
HR	TAX COLLECTOR OWNER'S MAILING CITY
HS	"TAX COLLECTOR OWNER'S MAILING STATE OR PROVINCE"
HT	"TAX COLLECTOR OWNER'S MAILING ZIP CODE OR POSTAL CODE"
HU	TAX COLLECTOR OWNER'S MAILING ZIP CODE EXTENTION
HV	TAX COLLECTOR OWNER'S REGION
HW	TAX COLLECTOR OWNER'S MAILING COUNTRY
HX	X
HY	X
HZ	X
IA	X
IB	X
IC	X
ID	X
IE	X
IF	X
IG	X
IH	X
II	Tax Collector Owner's Contact Info
IJ	X
IK	X
IL	X
IM	X
IN	X
IO	X
IP	X
IQ	X
IR	X
IS	X
IT	X
IU	X
IV	X
IW	X
IX	X

IY	X
IZ	X
JA	X
JB	"DISABLED_DESC (either spouse)"
JC	HOMESTEAD
JD	"OVER65 (either spouse) IF EST then property can be bought to heirs"
JE	Owner's Condition
JF	X
JG	X
JH	X
JI	X
JJ	X
JK	X
JL	X
JM	X
JN	X
JO	X
JP	X
JQ	"Ownership %"
JR	"Legal Description S_LEGAL"
JS	Legal Description
JT	"Use Code Use Type DOR_UC Property Class 1b"
JU	Appraisers Property Address 1
JV	"Appraisers Property Address 2 Suit # Apt #"
JW	"Appraisers Property Address 3 Building"
JX	Appraisers Property City
JY	Appraisers Property State
JZ	Appraisers Property ZIP Code
KA	Appraisers Street Name
KB	X
KC	X
KD	Appraiser Property Address
KE	Tax Collector Property Address 1
KF	"Tax Collector Property Address 2 Suit # Apt #"
KG	"Tax Collector Property Address 3 Building"
KH	Tax Collector Property City
KI	Tax Collector Property State
KJ	Tax Collector Property ZIP Code
KK	Tax Collector Street Name
KL	X
KM	Tax Collector Property Address
KN	X
KO	X
KP	X
KQ	X
KR	X
KS	X
KT	X
KU	X
KV	X
KW	X

KX	X
KY	X
KZ	X
LA	X
LB	X
LC	X
LD	X
LE	X
LF	X
LG	X
LH	X
LI	X
LJ	X
LK	X
LL	X
LM	X
LN	X
LO	X
LP	X
LQ	X
LR	X
LS	X
LT	X
LU	X
LV	X
LW	X
LX	X
LY	X
LZ	X
MA	X
MB	X
MC	X
MD	X
ME	X
MF	X
MG	X
MH	X
MI	LAST YEAR SALE
MJ	"LAST SALE DATE DEED TRANSFER DATE"
MK	SALE PRICE
ML	"TYPE OF DEED OR LAST/LATEST DOCUMENT RECORDED"
MM	"DESCRIPTION OF THE PREVIOUS COLUMN TYPE OF DEED OR DOCUMENT RECORDED"
MN	"BOOK Deed #"
MO	PAGE
MP	DEED INFO
MQ	X
MR	X
MS	X
MT	X
MU	X
MV	X

MW X
 MX 1st year of Unpaid taxes
 MY Last year of Unpaid taxes
 MZ Did the owner recently paid some back taxes or all back taxes?
 NA "Paid taxes by Unknown R (redeemed from Certificate) TDAR (redeemed from a TDA) No Tax
 Due = NTD"
 NB TAX DEED YEAR
 NC BEFORE 1990
 ND DUE AMOUNT FOR 1990
 NE DUE AMOUNT FOR 1991
 NF DUE AMOUNT FOR 1992
 NG DUE AMOUNT FOR 1993
 NH DUE AMOUNT FOR 1994
 NI DUE AMOUNT FOR 1995
 NJ DUE AMOUNT FOR 1996
 NK DUE AMOUNT FOR 1997
 NL DUE AMOUNT FOR 1998
 NM DUE AMOUNT FOR 1999
 NN DUE AMOUNT FOR 2000
 NO DUE AMOUNT FOR 2001
 NP DUE AMOUNT FOR 2002
 NQ DUE AMOUNT FOR 2003
 NR DUE AMOUNT FOR 2004
 NS DUE AMOUNT FOR 2005
 NT DUE AMOUNT FOR 2006
 NU DUE AMOUNT FOR 2007
 NV DUE AMOUNT FOR 2008
 NW DUE AMOUNT FOR 2009
 NX DUE AMOUNT FOR 2010
 NY DUE AMOUNT FOR 2011
 NZ DUE AMOUNT FOR 2012
 OA DUE AMOUNT FOR 2013
 OB DUE AMOUNT FOR 2014
 OC DUE AMOUNT FOR 2015
 OD DUE AMOUNT FOR 2016
 OE DUE AMOUNT FOR 2017
 OF DUE AMOUNT FOR 2018
 OG DUE AMOUNT FOR 2019
 OH DUE AMOUNT FOR 2020
 OI TAXES
 OJ "GRAND TOTAL TAXES 1900-2020"
 OK X
 OL X
 OM "Date of Last Tax Review"
 ON X
 OO X
 OP X
 OQ X
 OR "Redeemed or paid by 1. Owner 2. Investor 3. UNK 4. Change of address 5. USAR 200X (if
 changed Title from a NUSAR) 6. Lot for sale by County 7. Certificate of title 20XX 8.
 Calles Developments 9. Fiduciary"