

# 2018 Delinquent Tax List – Real Property

**Notes:** This python scripts scrapes a 2018 Delinquent Tax List – Real Property in PDF form and creates a csv output file. The following column headers are created and the associated data is collected: **Tax Map Number and Total Tax Due.** The PDF filename is not unique.

PDF

## 2018 Delinquent Tax List - Real Property

OWNER OF RECORD	TAX MAP NUMBER	TOTAL TAX DUE	CLASS CODE	STATUS ADDRESS
ABREO EUGENE R II	132-00-00-093.000	\$1,971.39	SINGLE FAMILY DWELLING	409 LAKESHORE DR
ACKERMAN CHARLES G JR	164-14-00-024.000	\$443.28	RESIDENTIAL MOBILE HOME	808 CHERRY ST
ACKERMAN CHARLES GEORGE JR	002-06-00-002.000	\$2,106.21	SINGLE FAMILY DWELLINGS	301 OUTWATER LN
ACKERMAN CHARLES GEORGE JR	164-00-00-151.000	\$2,355.66	MOBILE HOME PARK	134 CALES LN
ACKERMAN CHARLES GEORGE JR	164-14-00-014.000	\$2,163.25	MOBILE HOME PARK	CHERRY ST & EDGEWOOD ST
ACKERMAN CHARLES GEORGE SR LIFE ESTATE CHARLES GEORGE ACKERMAN JR REMAINDERMAN	164-14-00-004.000	\$1,385.88	RESIDENTIAL MOBILE HOME	177 HIGHLAND CIRCLE
ACKERMAN CHARLES JR	115-00-00-452.000	\$500.30	RESIDENTIAL MOBILE HOME	1579 KEEGAN RD
ACKERMAN CHARLES JR	133-00-00-019.000	\$735.69	SINGLE FAMILY DWELLING	3336 SIDWAYS RD
ADAMS APRIL M	060-00-00-008.000	\$623.65	RESIDENTIAL MOBILE HOME	3219 CAY CITY RD
AIKEN ALVIN	281-00-00-073.000	\$951.47	VACANT AGRICULTURAL	0
AIKEN ISAH	164-13-00-134.000	\$726.69	SINGLE FAMILY DWELLING	1004 CAYN ST
AIKEN JERRY LEE	163-15-00-108.000	\$653.44	SINGLE FAMILY DWELLINGS	212 BLANCHARD ST
AIKEN LILLIE	147-09-00-135.000	\$888.43	RESIDENTIAL MOBILE HOME	114 PINEAL CT
ANTHONY ANDREA MYERS	180-01-00-085.000	\$885.59	SINGLE FAMILY DWELLING	246 CLEVELAND STREET
BAHM JERRIE NICHELE	238-10-00-013.000	\$928.57	VACANT RESIDENTIAL	0 PRICES BRIDGE LN
BAHM JERRIE NICHELE	238-10-00-061.000	\$814.51	VACANT RESIDENTIAL	0 PRICES BRIDGE LN
BEAN RYAN JOSEPH	153-00-00-189.000	\$2,320.51	IMPROVED AGRICULTURAL	0
BEARD REBECCA A	098-00-00-310.000	\$975.91	RESIDENTIAL MOBILE HOME	0 MACON LN
BEHLINGS RONDEY	056-00-00-052.000	\$1,240.81	RESIDENTIAL MOBILE HOME	1280 LUMBER RD
BELINSKY FRANCES CLAUDETTE	163-06-00-012.000	\$1,678.28	SINGLE FAMILY DWELLINGS	516 FOREST HILLS RD
BELLAMY RONALD	084-00-00-182.000	\$478.91	VACANT RESIDENTIAL	0
BELLINGER CRYSTAL L	147-13-00-074.000	\$734.43	VACANT RESIDENTIAL	214 COOT LANE
BENTON HENRY M JR	162-04-00-032.000	\$628.78	RESIDENTIAL MOBILE HOME	CLYDE CR
BENTON KEVIN W	164-14-00-113.000	\$483.28	RESIDENTIAL MOBILE HOME	316 FOURTH ST
BENTON KEVIN W	164-14-00-118.000	\$397.60	VACANT RESIDENTIAL	0 LIVE OAK ST
BENTON KEVIN W	164-14-00-147.000	\$454.76	SINGLE FAMILY DWELLING	321 FOURTH ST
BEWERSDOFF YVETTE G	168-00-00-052.000	\$2,289.73	RESIDENTIAL MOBILE HOME	252 BEWERSDOFF LANE
BLACKMON TONYA	164-13-00-192.000	\$1,277.58	SINGLE FAMILY DWELLINGS	1109 HAMPTON ST
BLAKE PHYLETTE L	135-00-00-090.000	\$692.96	VACANT RESIDENTIAL	0
BLANDING JAMES	266-00-00-030.000	\$500.16	RESIDENTIAL MOBILE HOME	0
BOOISON ALYSSA	179-12-00-109.000	\$961.58	SINGLE FAMILY DWELLING	205 GAUSOEN LOOP
BOOISON SARRINA	115-00-00-241.000	\$990.14	VACANT RESIDENTIAL	112 ORDELL CT
BOLES MCQUILLIAN (ESTATE)	163-08-00-052.000	\$1,329.83	SINGLE FAMILY DWELLING	113 SPRINGWOOD DR
BOOZER JOHN	164-09-00-200.000	\$404.66	SINGLE FAMILY DWELLING	223 GRACE ST
BOWERS LISA BISHOP	207-00-00-009.000	\$774.92	SINGLE FAMILY DWELLING	3214 PENEL RD
BROTHERS BRYANT	066-00-00-061.000	\$1,883.44	VACANT RESIDENTIAL	RED OAK RD
BROUGHTON CINDERETHA	179-00-00-033.000	\$4,894.74	VACANT AGRICULTURAL	MALONEY PLACE
BROUGHTON TEREETHA DIANE	163-01-00-060.000	\$578.14	RESIDENTIAL MOBILE HOME	122 IRANDON CT
BROWN CATHERINE	246-00-00-028.000	\$328.97	SINGLE FAMILY DWELLING	BLUE HOUSE LN
BROWN GOLDIE (Estate)	147-13-00-064.000	\$1,635.14	VACANT RESIDENTIAL	213 COOT LANE
BROWN SAMUEL	164-09-00-170.000	\$560.61	SINGLE FAMILY DWELLING	401 PADGETT LOOP
BRYANT NICOLA S & CALEB A	115-14-00-016.000	\$778.68	VACANT RESIDENTIAL	503 HARBOR CT
BRYANT NICOLA SIMONE	132-00-00-204.000	\$550.14	SINGLE FAMILY DWELLINGS	679 BUFFALO LAKE
BURNETT KANDICE D	155-00-00-059.000	\$857.27	RESIDENTIAL MOBILE HOME	310 JONAS ROAD
BVI FARMS LLC	058-00-00-078.000	\$2,535.39	IMPROVED AGRICULTURAL	4859 BIG HILL RD
CANADY MARK	130-00-00-072.000	\$436.05	RESIDENTIAL MOBILE HOME	1978 MT CARMEL ROAD
CANADY PAMELA K	164-00-00-406.000	\$937.49	VACANT RESIDENTIAL	BARRACADA RD
CAPERS LAVERNE MAREE	164-05-00-108.000	\$434.20	VACANT RESIDENTIAL	206 REARSON ST
CARPENTER PEGGY P	065-00-00-134.000	\$1,038.55	VACANT RESIDENTIAL	0 AUGUSTA HWY
CARTER OTIS C III	131-00-00-236.000	\$4,661.48	IMPROVED AGRICULTURAL	842 WINCHESTER RD
CLARK AVIS M	098-00-00-368.000	\$439.05	RESIDENTIAL MOBILE HOME	182 WASHINGTON LN
COBB DEBRA A	145-00-00-019.000	\$1,216.05	IMPROVED AGRICULTURAL	71 OVERLOOK LN
COBB DEBRA A	163-08-00-042.000	\$1,305.74	IMPROVED COMMERCIAL	801 N LEMACKS ST
COLONIAL INDIGO LLC	147-15-00-003.000	\$1,151.23	BARBER SHOP	1309 JEFFERIES HWY
COOK MARY ELLEN (Estate)	098-00-00-249.000	\$422.58	VACANT RESIDENTIAL	158 LONDON LN
COOK THOMAS L	137-00-00-148.000	\$664.39	VACANT RESIDENTIAL	0
COTTAGEVILLE ACRES LLC	168-00-00-253.000	\$1,328.39	OTHER VACANT	520 GEECHE CLUB LN
COTTINGHAM CHRISTINA BETH	138-09-00-023.000	\$2,063.54	VACANT RESIDENTIAL	197 CATFISH CT
CRAVEN DAVID P	117-00-00-098.000	\$1,086.96	SINGLE FAMILY DWELLINGS	484 JESSE LN
CREEL BENJAMIN J	358-06-00-034.000	\$4,783.19	VACANT RESIDENTIAL	0 HAWKWOODS WAY
CRESCOM BANK	179-00-00-138.000	\$1,774.36	VACANT RESIDENTIAL	0 HARVEST WAY
CROMWELL HERBERT M JR & FRANCES L CROMWELL	168-00-00-136.000	\$550.14	VACANT RESIDENTIAL	CANONPLAGE CT
CUMMINGS HENRY A JR	093-00-00-043.000	\$928.57	RETAIL STORE	21726 LOWCOUNTRY HWY
CUMMINGS HENRY ALIX Jr	093-00-00-087.000	\$864.34	VACANT RESIDENTIAL	POOL ST
DAIL LESLIE E	132-00-00-185.010	\$461.81	RESIDENTIAL MOBILE HOME	61 AARONARK LN
DARRELS HUBERT (ESTATE)	019-00-00-029.000	\$550.36	VACANT RESIDENTIAL	0 BEULAH ROAD
DARLEY KARRIN	112-00-00-013.000	\$433.16	RESIDENTIAL MOBILE HOME	4310 RUFFIN RD
DAUGHTRY ANN GERTRUDE	180-01-00-108.000	\$1,378.15	SINGLE FAMILY DWELLINGS	211 CLEVELAND ST
DAVIS CAREY JR	304-00-00-001.000	\$3,538.32	SINGLE FAMILY DWELLINGS	0
DAVIS JAMES PATRICK	238-10-00-053.000	\$3,091.28	RESIDENTIAL MOBILE HOME	538 CRUMKEY RD
DAVIS LOUISE K	261-00-00-034.000	\$319.75	RESIDENTIAL MOBILE HOME	0
DAVIS PHILIP W	120-00-00-099.000	\$842.89	VACANT RESIDENTIAL	0
DAY MARGARET G	164-14-00-047.000	\$1,377.59	SINGLE FAMILY DWELLING	410 POPLAR ST
DEAL GEORGE (ESTATE)	223-00-00-004.000	\$447.09	VACANT AGRICULTURAL	819 BOWMAN LN
DEAN DEANA M	132-00-00-002.000	\$842.89	VACANT RESIDENTIAL	618 KEEGAN RD
DELANEY EMMIE	213-00-00-031.000	\$533.24	VACANT RESIDENTIAL	JACKSONBORO RD
DEWITT POLLY ANNE ESTATE & WILLIAM SCOTT CATTERTON	164-13-00-016.000	\$537.04	SINGLE FAMILY DWELLING	836 STILL ST
DRAIN CORLISS GLOVER	163-08-00-082.000	\$352.62	VACANT RESIDENTIAL	0 SWEAT ST

## Python Code (20190822\_MobileHome.py)

```
# Read a 2018 Delinquent Tax List of Real Property PDF and extract
# Tax Map Number and Total Tax Due and dump data into a CSV file
# Accumatch
# by Michael Keller
# Aug 22, 2019
# requires pdfplumber, re, datetime, mwkFunctions

# Libraries
from mwkFunctions import getFiles, printFilename, printNumberOfPages, openFile, writeFile,
stripAmount

import pdfplumber

import re

from datetime import datetime

# Start Timer
start = datetime.now()

# Booleans
lineStop = False
lineStart = False
TaxMap_Found = False
TotalTax_Found = False

# Variables
fn = '2018-Tax-Sale-Advertising-List.pdf'
messageEOL = '. . . end of line'
comma = ','
count = 0
outString = []
outFilename = 'RealProperty'
outputType = '.csv'
dataLineStart = 'OWNER'
dataLineStop = '2018 Delinquent'
colHeadings = 'Tax Map Number,Total Tax Due'
taxMapNumber = ''
totalTaxDue = ''
```

```

# Regular Expressions
regTaxMap = '\d{3}\D{1}\d{2}\D{1}\d{2}\D{1}\d{3}[.]\d{3}'
regTaxDue = "[$][,0-9]+['.']\d{2}"

# PDF File Open
print(printFilename(fn))
pdf = pdfplumber.open(fn)

lastPage = len(pdf.pages)
print(printNumberOfPages(lastPage))

fileName = outFilename + outputType
openFile(fileName,colHeadings)

for page in pdf.pages:
    p1 = pdf.pages[count]
    pltext = p1.extract_text()
    text = pltext.splitlines()

## Break for Testing
## if(count == 2):
##     break

for item in text:
    blob = item.strip()

    if(blob[0:16].strip() == dataLineStop):
        lineStop = True
        lineStart = False

    if((lineStart == True) and (lineStop == False)):
        TaxMap_Found = re.search(regTaxMap,blob)
        if not (TaxMap_Found is None):
            taxMapNumber = blob[TaxMap_Found.start():TaxMap_Found.end()]
            TotalTax_Found = re.search(regTaxDue,blob)

```

```
    if not (TotalTax_Found is None):
        totalTaxDue = blob[TotalTax_Found.start():TotalTax_Found.end()]
        totalTaxDue = stripAmount(totalTaxDue,True)

    outString.append(taxMapNumber + comma + totalTaxDue)

    if(blob[0:5].strip() == dataLineStart):
        lineStop = False
        lineStart = True

    count = count + 1

## Close PDF
pdf.close()

## Write CSV file
writeFile(fileName,outString)

#end timer
print('Runtime: ' + str(datetime.now() - start))

print(messageEOL)

# EOF
```

## Python Code (mwkFunctions.py)

```
## Michael Keller's function module

import os

import re

# Local Variables

_return = '\r'

def getCurrentDirectory():

    os.chdir(os.path.dirname(__file__))

    return os.getcwd()

def getFiles(ext):

    for(dirpath,dirnames,filenames) in os.walk(getCurrentDirectory()):

        return (f for f in filenames if f.endswith(ext))

def printFilename(fn):

    return 'Reading ' + fn + ' file . . .'

def printNumberOfPages(np):

    return 'Number of Pages: ' + str(np)

def readFile(fn):

    # Read existing file

    try:

        file = open(fn,'r')

        print('Opening ' + fn + ' file . . .')

    except FileNotFoundError:

        sys.exit('File: ' + fn + ' was not found')

    except PermissionError:

        sys.exit('Unable able to open file for reading. Do you have permission to open file?')

def openFile(fn,ch):

    # Create output file

    try:

        file = open(fn,'w+')
```

```

    # Write out lines from array
    file.write(ch + _return)
    file.close()
    print('Opening ' + fn + ' file . . .')
except FileNotFoundError:
    sys.exit('File: ' + fn + ' does not exist')
except PermissionError:
    sys.exit('Unable able to open output file for writing. Is the file currently open?')

def writeFile(fn,os):
    # Create and append to output file
    try:
        file = open(fn,'a')
        for taxLine in os:
            file.write(taxLine + _return)
        file.close()
        print('Saving ' + fn + ' file . . .')
    except FileNotFoundError:
        sys.exit('File: ' + fn + ' does not exist')
    except PermissionError:
        sys.exit('Unable able to open output file for writing. Is the file currently open?')

def stripAmount(amt,zero):
    ## Strip dollar sign, commas, and blanks from value
    ## if nothing left after stripping, change value to 0.00
    ## if zero is True, all amounts that are either blank, have
    ## dashes, do not have values, etc. will be converted to '0.00'
    regAmount = "[,0-9]+[']\d{2}"
    comma = ','
    dollarSign = '$'
    space = ' '
    nospace = ''
    Zero_Value = False

    amt = amt.strip()
    amt = amt.replace(comma,nospace)

```

```
    amt = amt.replace(dollarSign,nospace)
    amt = amt.replace(space,nospace)
    if(zero == True):
        Zero_Value = re.search(regAmount,amt)
        if ((Zero_Value is None) or (len(amt) == 0)):
            amt = '0.00'
    return amt

# EOF
```

**CSV Output**

	A	B
1	Tax Map Number	Total Tax Due
2	132-02-00-093.000	1971.39
3	164-14-00-024.000	443.28
4	002-06-00-002.000	2106.21
5	164-00-00-151.000	2255.66
6	164-14-00-014.000	2163.25
7	164-14-00-004.000	1385.88
8	115-00-00-452.000	500.3
9	133-00-00-019.000	735.69
10	060-00-00-008.000	623.65
11	281-00-00-073.000	951.47
12	164-13-00-134.000	726.69
13	163-15-00-108.000	653.44
14	147-09-00-135.000	888.43
15	180-01-00-085.000	885.59
16	238-10-00-013.000	928.57
17	238-10-00-061.000	814.51
18	153-00-00-189.000	2320.51
19	098-00-00-310.000	975.91
20	056-00-00-052.000	1249.81
21	163-06-00-012.000	1678.28
22	084-00-00-182.000	478.91
23	147-13-00-074.000	714.43
24	162-04-00-032.000	628.78
25	164-14-00-113.000	483.28
26	164-14-00-118.000	397.6
27	164-14-00-147.000	454.76
28	168-00-00-052.000	2289.73



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20190822\_MobileHome  
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