Sub ExtractMissingSSNIT\_Stallion()

Dim fso As Object

Dim mainFolder As String, outputFile As String

Dim yearFolder As Object, file As Object

Dim wb As Workbook, ws As Worksheet, destWB As Workbook, destWS As Worksheet

Dim lastRow As Long, checkRow As Long, col As Long

Dim yearName As String, fileName As String

Dim filePath As String

Dim destRow As Long

Dim yearNum As Integer

Application.ScreenUpdating = False

Application.DisplayAlerts = False

mainFolder = "C:\Users\USER\Desktop\STALLION\_COMPLETED"

outputFile = mainFolder & "\STALLION\_EMPTY.xlsx"

' Create FileSystemObject

Set fso = CreateObject("Scripting.FileSystemObject")

' Create destination workbook

Set destWB = Workbooks.Add

Set destWS = destWB.Sheets(1)

destWS.Name = "Missing SSNIT"

destRow = 1

' Add headers

With destWS

.Cells(1, 1).Value = "Year"

.Cells(1, 2).Value = "File Name"

.Cells(1, 3).Resize(1, 10).Value = Array("Column A", "Column B", "Column C", "Column D", "Column E", \_

"Column F", "Column G", "Column H", "Column I", "Column J")

End With

' Loop through each year folder (2014-2025)

For yearNum = 2014 To 2025

yearName = CStr(yearNum)

' Check if year folder exists

If fso.FolderExists(mainFolder & "\" & yearName) Then

Set yearFolder = fso.GetFolder(mainFolder & "\" & yearName)

' Loop through all Excel files in the year folder

For Each file In yearFolder.Files

fileName = file.Name

If LCase(Right(fileName, 4)) = "xlsx" Or LCase(Right(fileName, 3)) = "xls" Then

filePath = file.Path

' Error handling for file opening

On Error Resume Next

Set wb = Nothing

Set wb = Workbooks.Open(filePath, ReadOnly:=True, UpdateLinks:=0)

If wb Is Nothing Then

Debug.Print "Could not open: " & filePath

On Error GoTo 0

GoTo NextFile

End If

On Error GoTo 0

' Get first worksheet

On Error Resume Next

Set ws = wb.Sheets(1)

If ws Is Nothing Then

Debug.Print "No sheets in: " & filePath

wb.Close False

On Error GoTo 0

GoTo NextFile

End If

On Error GoTo 0

' Find last row in column A

lastRow = ws.Cells(ws.Rows.Count, "A").End(xlUp).Row

If lastRow < 2 Then GoTo CloseWorkbook ' Skip if no data

' Process each row

For checkRow = 2 To lastRow

If Trim(ws.Cells(checkRow, 1).Value) = "" Then

' Add year and filename

destWS.Cells(destRow + 1, 1).Value = yearName

destWS.Cells(destRow + 1, 2).Value = fileName

' Copy data (columns A-J)

For col = 1 To 10

destWS.Cells(destRow + 1, col + 2).Value = ws.Cells(checkRow, col).Value

Next col

destRow = destRow + 1

End If

Next checkRow

CloseWorkbook:

wb.Close SaveChanges:=False

NextFile:

End If

Next file

End If

Next yearNum

' Auto-fit columns

destWS.Columns.AutoFit

' Save the destination workbook

On Error Resume Next

Application.DisplayAlerts = False

Kill outputFile ' Delete if exists

destWB.SaveAs Filename:=outputFile, FileFormat:=xlOpenXMLWorkbook

Application.DisplayAlerts = True

On Error GoTo 0

destWB.Close SaveChanges:=True

Application.ScreenUpdating = True

Application.DisplayAlerts = True

MsgBox "Process completed. Missing SSNIT records compiled in:" & vbCrLf & outputFile, vbInformation

End Sub