

```

'Update ProgressBar meter
pbExcel.PerformStep()
End Sub

Private Sub ExcelFormat(ByRef xlSheet As Excel.Worksheet, _
    ByRef xlapp As Excel.Application)
    progress.Text = "Formatting Map Data Excel Spreadsheet Layout...."
    ' This information was gleaned from Excel macro generator/editor.
    xlSheet.Application.Visible = True
    xlSheet.Cells.Select()
    xlapp.Selection.autofilter()
    xlapp.Selection.AutoFilter(Field:=21, Criteria:="<>") ' Near
    xlSheet.Cells.EntireColumn.AutoFit()
    xlSheet.Rows("2:2").select()
    xlapp.ActiveWindow.FreezePanes = True
End Sub

```

```

Private Sub ExcelSave(ByRef xlSheet As Excel.Worksheet, _
    ByRef xlBook As Excel.Workbook,
    ByRef xlapp As Excel.Application)
    Dim e As Boolean = False
    progress.Text = "Saving Map Data Excel Spreadsheet Layout as : " & xlfname
    Do
        Try
            If System.IO.File.Exists(xlfname) = True Then
                System.IO.File.Delete(xlfname)
            End If
            xlSheet.SaveAs(xlfname)
        Catch ex As Exception
            MsgBox(ex.Message.ToString)
            e = True
        End Try
        Loop Until e = False
        xlBook.Close()
        xlapp.Quit()
        xlSheet = Nothing
        xlBook = Nothing
        xlapp = Nothing
        ' Hide Excel progress panel
        pnlExcel.Visible = False
        MsgBox("Saved Map Data Excel Spreadsheet Layout as : " & xlfname)
    End Sub

```

#End Region

```

Private Sub BtnFillTerrain_Click(ByVal sender As System.Object, _
    ByVal e As System.EventArgs) Handles BtnFillTerrain.Click
    ' Setup file name to write (Place P for Plains filled terrain in place of
    Dim nfn As New StringBuilder()
    Dim i As Integer = m_Civ.Filename.LastIndexOf("\")
    nfn.Append(m_Civ.Filename.Substring(0, i + 1))
    Dim nf As String = m_Civ.Filename.Substring(i + 1, m_Civ.Filename.Length - i - 1)
    nfn.Append(nf.Substring(0, 2))
    nfn.Append("P")
    nfn.Append(nf.Substring(3, nf.Length - 3))
    ' Purge file if it already exists
    If File.Exists(nfn.ToString) Then
        File.Delete(nfn.ToString)
    End If
    Dim c(m_Civ.b.Length) As Byte
    m_Civ.b.CopyTo(c, 0)
    For i = 0 To m_Civ.MapArea - 1
        c(m_Civ.GetMapDataBlock2BaseAddress + (i * 6)) = 129
    Next
    Dim fs As FileStream = New FileStream(nfn.ToString, FileMode.CreateNew)
    Dim w As BinaryWriter = New BinaryWriter(fs)
    For i = 0 To c.Length - 1
        w.Write(c(i))
    Next
    w.Flush()
    fs.Flush()
    w.Close()
    fs.Close()

```