

README for IJES Flatwoods supplemental data

TITLE:

Quaternary Stratigraphy and Geomorphic History of the Flatwoods Region of Owen and Monroe Counties, Indiana

AUTHORS:

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PUBLISH DATE:

2023

ABSTRACT:

Supplemental data related to the Quaternary stratigraphy and geomorphic history of the Flatwoods region of Owen and Monroe counties, Indiana are presented here.

PURPOSE:

Provide supplemental data associated with the published article. These data include a geodatabase with associated metadata, analytical data with associated read me files, and additional geological information associated with the project. These data are provided as compressed files (.zip).

FUNDING AGENCY:

Indiana Geological and Water Survey; U.S. Geological Survey Great Lakes Geologic Mapping Coalition

REFERENCE:

Jacobs, P. M., Gray, H. H., Loope, H. M., Antinao, J. L., and Rupp, R. F., 2023, Quaternary stratigraphy and geomorphic history of the Flatwoods region of Owen and Monroe counties, Indiana: Indiana Geological and Water Survey, Indiana Journal of Earth Sciences, v. 4. doi: 10.14434/ijes.v4i1.34294

IJES_Flatwoods_geodatabase.zip.....(Zip)

The geodatabase includes locations of water-well records, borehole and outcrop sites, geophysical (gamma-ray) logs, refraction seismic surveys, passive seismic (horizontal-to-vertical spectral ratio [HVSR]) surveys, and data from the geological literature.

Flatwoods_data_IJES.gdb.....(Geodatabase)

-
- Flatwoods_BRsurf_Contours_50ft.....(Polyline feature class)
 - Flatwoods_BRsurf_DEM.....(Raster dataset)
 - Flatwoods_data.....(Point feature class)
 - Flatwoods_Illinoian_IceMargin.....(Polyline feature class)
 - Flatwoods_SSURGO_BRpts.....(Point feature class)
 - Flatwoods_SurfaceDEM_LiDAR.....(Raster dataset)
 - Flatwoods_Xsection_Lines.....(Polyline feature class)

Flatwoods_data_IJES_metadata.....(Metadata folder)

-
- Flatwoods_BRsurf_Contours_50ft.xml.....(feature level FGDC-compliant metadata)
 - Flatwoods_BRsurf_DEM.xml.....(feature level FGDC-compliant metadata)
 - Flatwoods_data.xml.....(feature level FGDC-compliant metadata)
 - Flatwoods_Illinoian_Episode_IceMargin.xml.....(feature level FGDC-compliant metadata)
 - Flatwoods_SSURGO_BRpts.xml.....(feature level FGDC-compliant metadata)
 - Flatwoods_SurfaceDEM_LiDAR.xml.....(feature level FGDC-compliant metadata)

Flatwoods_Xsection_Lines.xml.....(feature level FGDC-compliant metadata)

IJES_Flatwoods_metadata.zip.....(Zip)

Flatwoods_data_IJES_metadata.....(Metadata folder)

Flatwoods_BRsurf_Contours_50ft.xml.....(feature level FGDC-compliant metadata)

Flatwoods_BRsurf_DEM.xml.....(feature level FGDC-compliant metadata)

Flatwoods_data.xml.....(feature level FGDC-compliant metadata)

Flatwoods_Illinoian_Episode_IceMargin.xml.....(feature level FGDC-compliant metadata)

Flatwoods_SSURGO_BRpts.xml.....(feature level FGDC-compliant metadata)

Flatwoods_SurfaceDEM_LiDAR.xml.....(feature level FGDC-compliant metadata)

Flatwoods_Xsection_Lines.xml.....(feature level FGDC-compliant metadata)

IJES_Flatwoods_data.zip.....(Zip)

Analytical data and other geological information include: a downhole geophysical (gamma-ray); data from the 2019 test hole, including clay mineralogy, core photographs, a downhole gamma-ray log, and particle size analysis; Indiana Geological and Water Survey (IGWS) archive data, which is comprised of borehole descriptions; a copy of Jacobs (1994) PhD dissertation; scanned profile description sheets and core stratigraphy from Jacobs (1994); and supplementary optically stimulated luminescence (OSL) data.

IJES_Flatwoods_data.....(Metadata folder)

90-87 gamma log.....(directory)

90-87 gamma log.csv.....(comma seperated value)

90-87_gamma_log.las.....(las)

readme_90-87gammalog.txt.....(text)

2019 Test Hole.....(directory)

Clay mineralogy.....(directory)

2019 Test Hole clay mineralogy data - basal 8 samples MgEG.jpg.....(jpeg)

2019 Test Hole clay mineralogy data - upper 9 samples MgEG.jpg.....(jpeg)

ClayMineralogyData_2019TestHole.csv.....(comma seperated value)

ClayMineralogyData_2019TestHole_readme.txt.....(text)

Core Photographs.....(directory)

2019TestHole_CorePhotographs.pdf.....(portable document format)

2019TestHole_CorePhotographs_readme.txt.....(text)

Gamma log.....(directory)

2019_Test_Hole_Flatwoods.csv.....(comma seperated value)

2019_Test_Hole_Flatwoods.LAS.....(las)

2019_TestHole_Flatwoods_readme.txt.....(text)

Particle size analysis.....(directory)

ParticleSizeData_2019TestHole.csv.....(comma seperated value)

ParticleSizeData_2019TestHole_readme.txt.....(text)

IGWS archive data.....(directory)

IGWS_Archive_HenryGray-Borings-lithologies.txt.....(text)

IGWS_Archive_HenryGray-Borings-lithologies_readme.txt.....(text)

Jacobs Dissertation.....(directory)

JacobsPhD_1994.pdf.....(portable document format)

JacobsPhD_1994_readme.txt.....(text)

Jacobs Profile Descriptions.....(directory)

Core stratigraphy.....(directory)

Flatwoods logs - Monroe County.txt.....(text)

Flatwoods logs - Owen County.txt.....(text)

Flatwoods logs.xlsx.....(excel file)
Flatwoods logs_readme.txt.....(text)
Scanned original description sheets.....(directory including 70 pdfs)
Scanned_original_description_sheets_readme.txt.....(text)
Optically Stimulated Luminescence data.....(directory)
IGWS-128.....(directory)
IGWS-131.....(directory)
IGWS-267.....(directory)
IGWS-269.....(directory)
Flatwoods_1670875360_DRACv1.2.csv.....(comma seperated value)
ICP_fulltable.csv.....(comma seperated value)
readme.txt.....(text)