

bGeigie Nano data logging, geotagging Geiger-Müller counter used



ADER (μ Sv/h)

0.140 µSv/h

0.15

0.18

measured

histogram

points

0.21

width due to random

Poisson counting

ne (not location)

Stone 1999

70

80

>2000 m altitude

0.12

00 m altitud

40

USGS

2009, replotte

60

50

counts/min

0.06

500

400

300

200

100

20

Freq

0.09

gaussian fit

30

4654 data points in

Refuge, on boundary

Don't get your info from conspiracy theorists! Ask for data and references. D.M.Wood, May 2019



- Pu isotopes account for at most 2% of Refuge soil total radioactivity (NBS, NIST soil standards 2008). Pu and Am are no different radiologically than hundreds of other *naturally*-occurring radioisotopes
- · 'Ambient dose equivalent [radiation] rate' measured April 2019 on Refuge trails is 0.140 microSieverts per hour; place to place variability < 2%.
- · Values are *completely consistent* with ordinary background (soil + cosmic ray) radiation along Front Range. Also consistent with DOE and Colorado Department of Public Health and Environment data.

The Refuge is safe for all users.





Friends of Refuge web site