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ER-750

LOS ALAMOS SCIENTIFIC LABORATORY
UNIVERSITY OF CALIFORNIA
LOS ALAMOS, NEW MEXICO

OFFICE MEMORANDUM

TO : S. E. Russo, Group Leader, ENG-3 DATE: February 21, 1966

FROM : W. R. Kennedy, Group Leader, H-6

SUBJECT: "STORAGE AREA FOR PRIVATELY OWNED BOATS AND TRAILERS" - CONTAMINATED DUMP AREA WEST OF DP WEST

SYMBOL : H-6

During the past two weeks, a series of 13 bore holes were augered in the general area, approximately as shown on the enclosed sketch. Eight holes were on the north side of the area, just north of the fence; five were inside the fenced area, as near to the south fence as we could work the rig. Depths varied from 25 feet to 50 feet, T.D.

In all cases, depth of soil varied from one to four feet, then the cross section entered was Bandelier Tuff, and the holes were stopped in the tuff. In none of the holes did we find evidence of previously disturbed material, so are confident we did not enter an old, filled pit.

One hundred twenty-three samples of soil were taken from those holes. The interval per sample varied from hole to hole for the first five feet, depending on the depth of soil present. Then every hole was sampled at five foot intervals to total depth.

One hundred gram portions of each sample were leached with concentrated HNO_3, then the fluid separated from the residue, brought to volume, and an aliquot taken to dryness and counted for gross alpha activity and gross beta activity. Activities measured varied, for gross alpha, from 1.2 to less than 0.1 d/m/gram; for gross beta, from 12.6 to less than 0.4 d/m/gram.

In general, the surface samples were reading a trifle higher than those taken at depth, probably due to world wide fallout; though due to our method of augering the holes, there is possibility of cross contamination of samples.

Received by ER-RPF
MAY 04 1992
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There is no evidence of migration of radioactive material from the pits to the points where the holes were dug.

Specific analyses are in process of being run for plutonium and uranium. Complete results, together with geological logs and moisture logs of each hole will be documented in a report written by the U.S.G.S. and H-6.

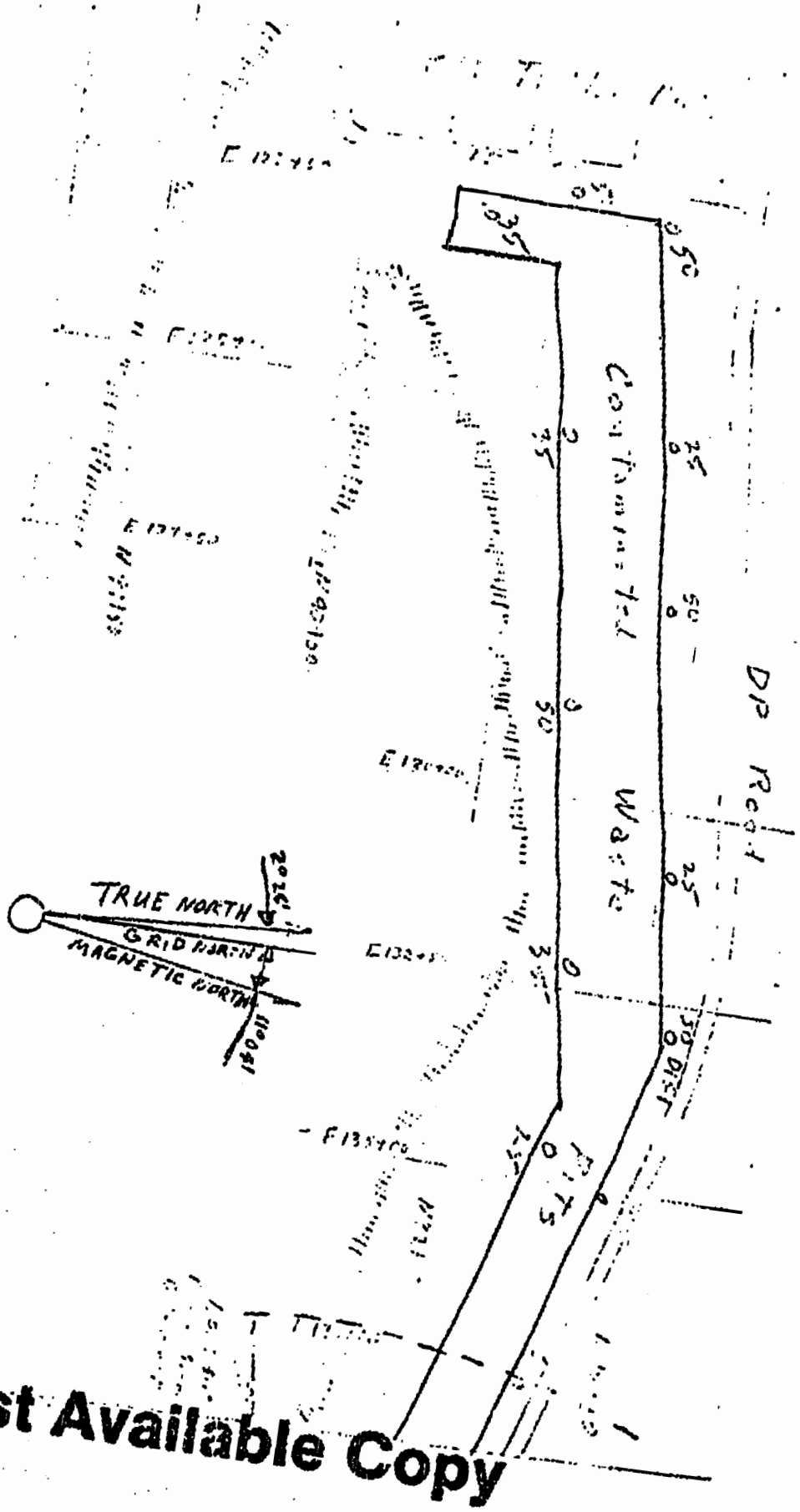
Original signed by
WILLIAM R. KENNEDY

William R. Kennedy

WRK:mtj

Enc. Sketch of Area

CC: T. L. Shipman, H-DO (w/enc.)
L. P. Reinig, ENG-DO (w/enc.)
H. H. Standring, LAAO (w/enc.)
H-6 File (w/enc.)
Mail & Records (2)(w/o enc.)



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