



Projection: TRANSVERSE MERCATOR
Code: USGS 8300 Meter Universal Transverse Mercator, Zone 12N
Units: USGS 8300 Meter Universal Transverse Mercator, Zone 12N
Scale: 1:62,500
Vertical Datum: NAVD83
Horizontal Datum: NAD83
Map Scale: 1:62,500
Map Accuracy: 3 meters
Map Date: 10/20/2014
Map Author: CH2M HILL
Map Title: CENTRAL STUDY AREA
Map Description: This map was produced by CH2M HILL for the U.S. Environmental Protection Agency (EPA) under contract number 68-03-0-001-0001. The map shows the location of water sample sites and radiation contours in the Navajo Indian Reservation area. The map is intended for use by EPA and other interested parties. The map is not to be used for any other purpose without the written permission of CH2M HILL. The map is the property of CH2M HILL and is not to be distributed, copied, or reproduced in any form without the written permission of CH2M HILL. The map is provided as a reference only and does not constitute a warranty or guarantee of any kind. The map is not to be used for any purpose other than that for which it was intended.

Water Sample Data

Map ID	Ranking	Sample Name	Sample ID	Field Type	Longitude	Latitude
1	13	Duck Cave Spring	CHP90118732004	Spring	109 47 22.12520	36 7 34.06332
2	1	Shore	CHP90118732003	Spring	109 48 3.26130	36 7 22.00890
3	20	Cottonwood Chapter House	CHP90119773001	Well	109 55 20.50200	36 4 14.22400
4	21	Tank 108-51	CHP90118732004	Well	109 52 1.27080	36 7 20.06612
5	16	Cottonwood Chapter House	CHP90118732001	Spring	109 52 51.84740	36 7 46.00300
6	17	Radiation Springs	CHP90118732002	Well	109 52 20.25260	36 7 21.11188
7	30	Tank 107-533	CHP91119732003	Well	109 52 13.79120	36 5 54.88642
8	14	Tank Blue Cap	CHP91121832002	Well	109 54.46250	36 57 17.95700
9	26	White Chip Spring	CHP91124832002	Spring	109 52 55.65260	36 11 1.40698
10	11	Tank #1730	CHP91124832001	Well	109 52 52.80290	36 11 47.68798
11	15	Sweet Water Springs	CHP901118832004	Spring	109 47 57.68920	36 16 47.93340
12	28	Shawell Spring	CHP91124832001	Well	109 47 52.80290	36 11 40.92912
13	12	Alamo Springs	CHP901118832002	Spring	109 47 23.07020	36 20 40.46812
14	22	Tamolinon Near Springs	CHP901118832001	Spring	109 47 23.07020	36 20 40.46812
15	1	Cool Spring	CHP91104832001	Spring	109 54 39.33840	36 19 5.94190
16	5	Biggy Well	CHP91103832004	Well	109 53 48.81320	36 20 19.97388
17	9	Trading Post Spring	CHP91120832001	Spring	109 54 39.33840	36 19 5.94190
18	29	Rough Rock Chapter House	CHP91120832001	Well	109 51 39.82020	36 24 43.44788
19	10	Red Tree Spring	CHP9110832004	Spring	109 54 32.64480	36 21 1.02188
20	23	Tiny Fat Spring	CHP9110832001	Spring	109 53 20.32680	36 25 52.52812
21	11	Home Spring	CHP9110832002	Spring	109 54 3.26130	36 21 5.25812
22	27	Healy Spring	CHP9110832001	Spring	109 52 51.84740	36 28 45.42412
23	25	Tank #118	CHP9110832002	Well	109 54 3.26130	36 21 5.25812
24	24	Tank #1528	CHP9110832003	Well	109 54 9.20480	36 22 52.25212
25	2	Tank #A-121	CHP9110832004	Well	110 1 23.18870	36 35 45.54800
26	18	Chickabiddi Chapter House	CHP9100832001	Well	110 4 53.18620	36 31 41.32678
27	4	Apson Spring	CHP91103832002	Spring	110 9 18.76020	36 26 36.85388
28	7	Tank #1309	CHP91103832001	Well	109 52 21.97780	36 22 30.02988
29	19	Black Mesa Chapter House	CHP91103832003	Well	110 1 52.72320	36 29 45.30300
30	6	CHP Spring	CHP91103832002	Spring	110 1 18.10580	36 17 24.70000
31	3	Tank 308-1	CHP91103832005	Well	110 14 12.13348	36 12 52.25240

Water Sample Risk Assessment Ranking
 Risk in Respect to Stable and Radioactive Materials
 Ranking from Lower Risk (1) to Higher Risk (31)

Ranking	Map ID	Sample Name	Sample ID
1	15	Cool Spring	CHP91103832002
2	26	Tank #A-121	CHP91103832004
3	31	Tank 308-1	CHP91103832005
4	27	Apson Spring	CHP91103832002
5	16	Biggy Well	CHP91103832004
6	25	Tank #A-121	CHP91103832004
7	28	Tank #1528	CHP91103832003
8	2	Shawell Spring	CHP91124832001
9	17	Trading Post Spring	CHP91124832001
10	11	Red Tree Spring	CHP9110832004
11	10	Alamo Springs	CHP901118832002
12	13	Home Spring	CHP901118832001
13	12	Tank Blue Cap	CHP91121832002
14	8	Tank Blue Cap	CHP91121832002
15	5	Home Water Springs	CHP901118832002
16	5	Cottonwood Chapter House	CHP90118732001
17	30	Radiation Springs	CHP90118732002
18	26	Chickabiddi Chapter House	CHP9110832001
19	20	Black Mesa Chapter House	CHP91103832003
20	3	Cottonwood Chapter House	CHP90118732001
21	4	Apson Spring	CHP91103832002
22	14	Tamolinon Near Springs	CHP901118832001
23	10	Tiny Fat Spring	CHP9110832001
24	9	White Chip Spring	CHP91124832001
25	23	Tiny Fat Spring	CHP9110832001
26	24	Healy Spring	CHP9110832001
27	22	Healy Spring	CHP9110832001
28	7	Washell Spring	CHP9110832002
29	18	Rough Rock Chapter House	CHP91120832001
30	1	Tank 107-533	CHP91119732003
31	21	Burn Spring	CHP91103832002

