

Units: pebbles

Bottom of hill
 (lower point)

WD: 232

split
 with state
 4 NRE

have
 would to

sampled
 again
 1/6/9

all 8 samples

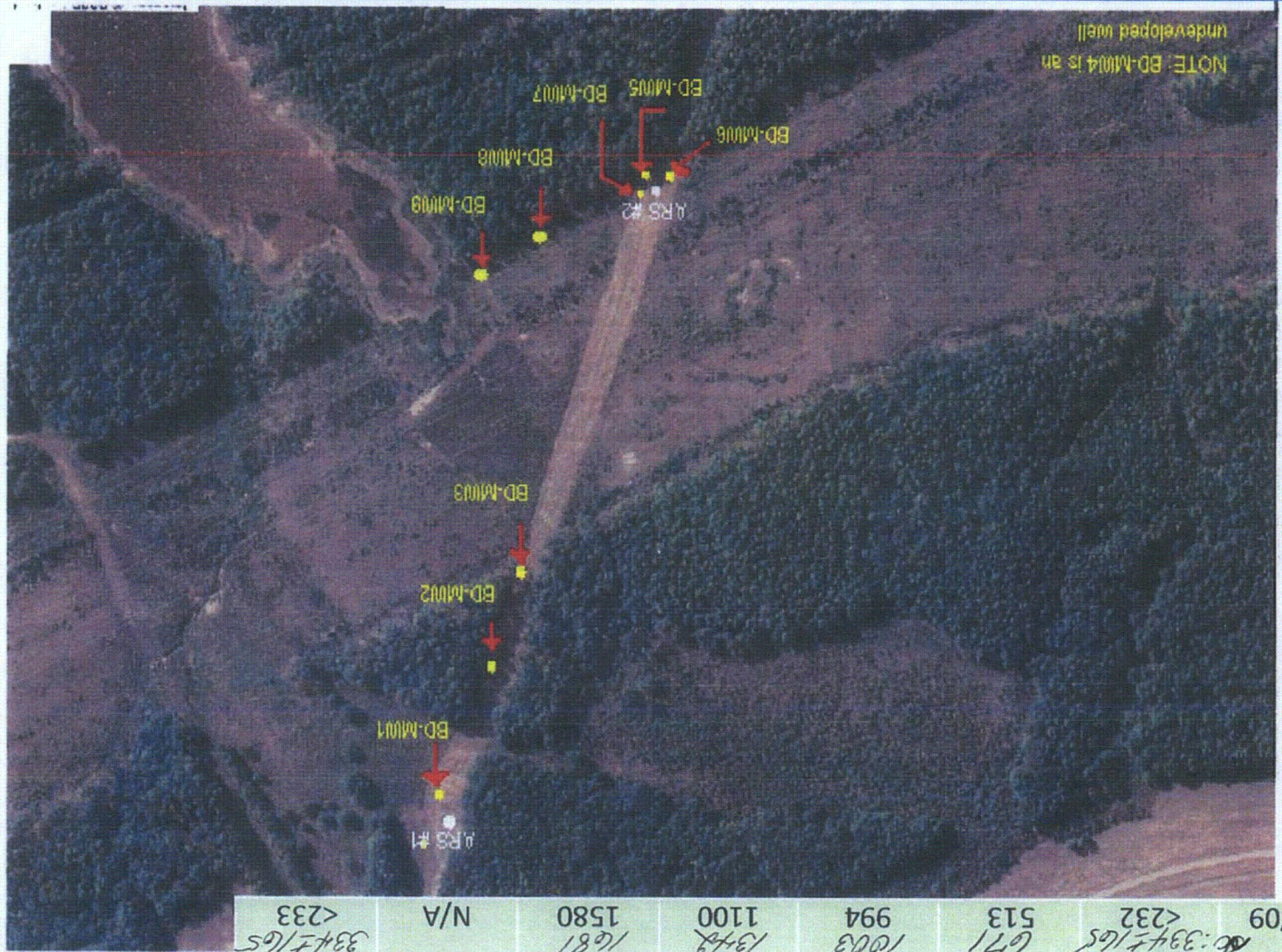
all - than
 detectable

hard to
 detect

Se 89,90
 Fe, Ni-43

19-5

BD-	BD-	BD-	BD-	BD-	BD-	BD-	BD-
MW8	MW7	MW6	MW5	MW3	MW2	MW1	
3/4/2009	3/4/2009	3/4/2009	3/4/2009	3/4/2009	3/4/2009	3/4/2009	3/4/2009
372	372	372	372	372	372	372	372
456	456	456	456	456	456	456	456
1010	1010	1010	1010	1010	1010	1010	1010
1430	1430	1430	1430	1430	1430	1430	1430
1220	1220	1220	1220	1220	1220	1220	1220
294	294	294	294	294	294	294	294
275	275	275	275	275	275	275	275
334±/65	334±/65	334±/65	334±/65	334±/65	334±/65	334±/65	334±/65
<232	<232	<232	<232	<232	<232	<232	<232
1580	1580	1580	1580	1580	1580	1580	1580
1100	1100	1100	1100	1100	1100	1100	1100
994	994	994	994	994	994	994	994
513	513	513	513	513	513	513	513
5/14/09	5/14/09	5/14/09	5/14/09	5/14/09	5/14/09	5/14/09	5/14/09



→ Filter gradient ~ 200/yr

1

Cooling Tower Blowdown Wells

H-3 Concentration (pCi/L)

	BD-MW1	BD-MW2	BD-MW3	BD-MW5	BD-MW6	BD-MW7	BD-MW8	BD-MW9
1/23/2009	<243	787	533	dry	dry			
2/6/2009				1500	2450			
3/4/2009	372	373	1060	1260	1450	<234	<232	<232
3/30/2009	371							
4/8/2009		456	1010	1430	1220	294	275	<232
5/14/2009	<232	513 ± 146	994 ± 151	1100 ± 151	1580 ± 156	Unable to sample	<233	Unable to sample
6/9/2009								

North Carolina Split Sample Results

Date	HEEC BD-MW1	NC BD-MW1	HEEC BD-MW2	NC BD-MW2	HEEC BD-MW3	NC BD-MW3	HEEC BD-MW5	NC BD-MW5	HEEC BD-MW6	NC BD-MW6	HEEC BD-MW8	NC BD-MW8
5/14/2009	<232	334 ± 165	513 ± 146	671 ± 170	994 ± 151	1003 ± 173	1100 ± 151	1342 ± 178	1580 ± 156	1681 ± 182	<233	334 ± 165