

ANALYSES DRX DES BOUES DE TYPE BHD

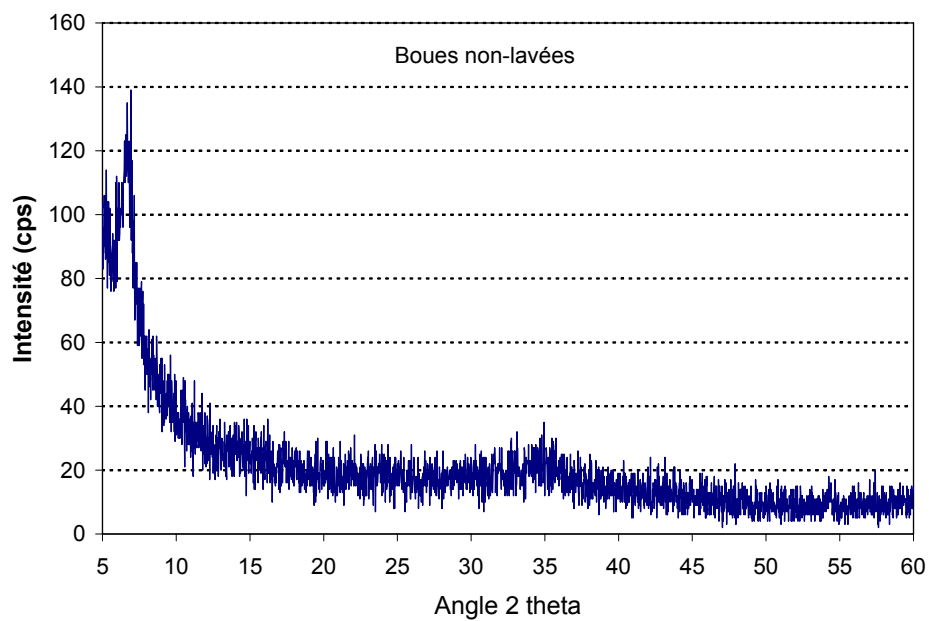


Figure 1: Analyse DRX sur boues non-lavées (selon L. Bernier)

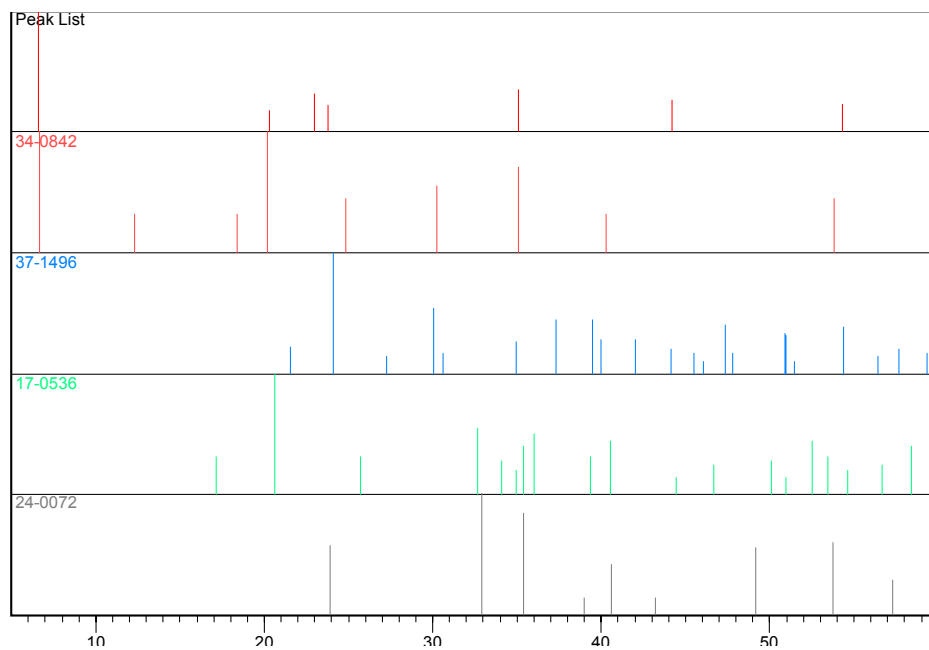


Figure 2 : Résultats DRX sur boues non lavées (selon L. Bernier)

No.	Pos. [°2Th.]	Rel. Int. [%]	d-spacing [Å]	Height [cps]	Matched	Matched by
1	6.5977	100	13.39725	143.24	Yes	34-0842
2	20.341	3.1	4.36598	4.44	Yes	34-0842; 17-0536
3	22.9943	9.51	3.86785	13.63	No	
4	23.7685	4.71	3.74358	6.75	Yes	37-1496; 24-0072
5	35.1107	11.65	2.55593	16.69	Yes	34-0842; 37-1496; 17-0536; 24-0072
6	44.192	6.92	2.0495	9.91	Yes	37-1496; 17-0536
7	54.2991	5.03	1.68809	7.21	Yes	34-0842; 37-1496; 17-0536
No.	Visible	Ref. Code	Score	Compound Name	Chemical Formula	
1*		34-0842	35	Nontronite-15A	Ca _{0.1} Fe ₂ (Si , Al) ₄ O ₁₀ (O H) ₂ ! ₄ H ₂ O	
2*		37-1496	5	Anhydrite, syn	Ca S O ₄	
3*		17-0536	4	Goethite	Fe O (O H)	
4*		24-0072	5	Hematite	Fe ₂ O ₃	
5*		29-0712	No Matching Lines	Ferrihydrite, syn	Fe ₅ O ₇ (O H) ! ₄ H ₂ O	

Tableau 1 : Résultats DRX sur boues non lavées (selon L. Bernier)

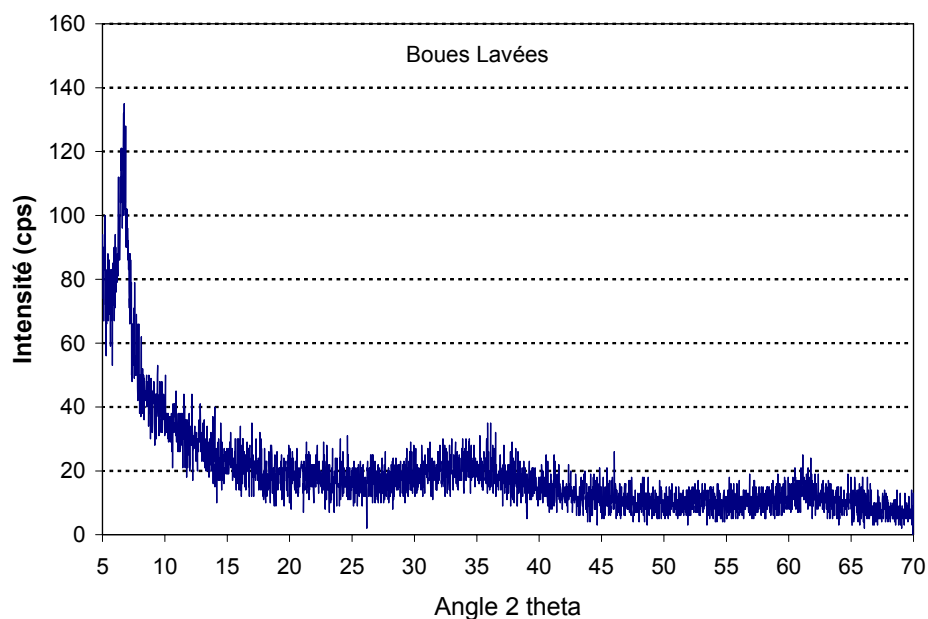


Figure 3 : Analyse DRX sur boues lavées (selon L. Bernier)

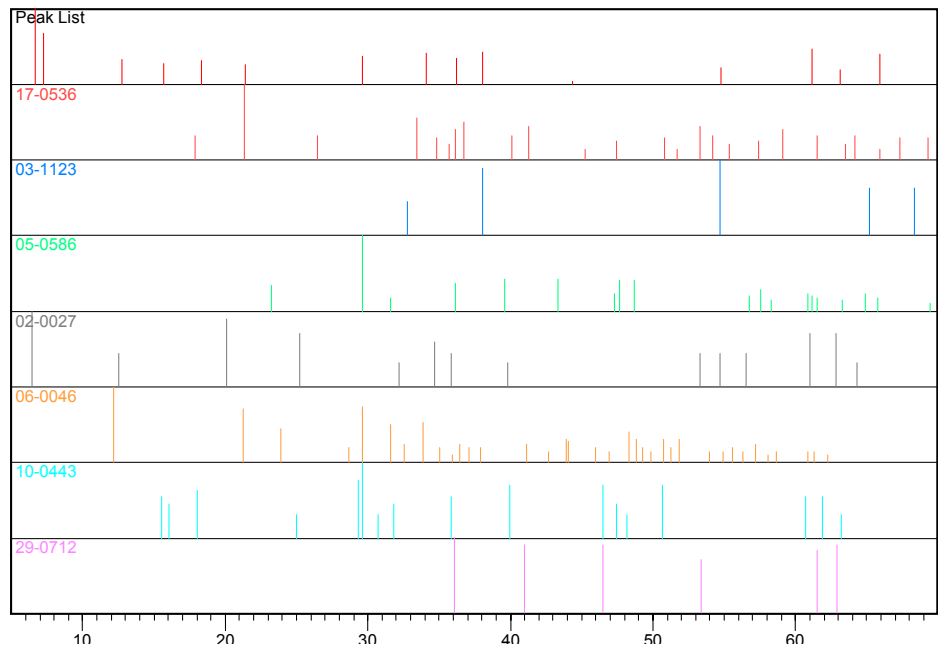


Figure 4 : Résultats DRX sur boues lavées (selon L. Bernier)

No.	Pos. [°2Th.]	Rel. Int. [%]	d-spacing [Å]	Height [cps]	Matched	Matched by
1	6.6391	100	13.31394	145.42	Yes	02-0027
2	7.2789	44.42	12.14498	64.6	No	
3	12.7896	10.68	6.92177	15.53	Yes	02-0027
4	15.69	7.29	5.64815	10.6	Yes	10-0443
5	18.3638	10.02	4.83135	14.58	No	
6	21.3955	6.61	4.15313	9.61	Yes	17-0536; 06-0046
7	29.6006	13.05	3.01795	18.98	Yes	05-0586; 06-0046; 10-0443
8	34.0757	17.15	2.63116	24.94	Yes	06-0046
9	36.21	11.83	2.48082	17.2	Yes	17-0536; 05-0586; 06-0046; 29-0712
10	38.0885	18.11	2.36268	26.34	Yes	03-1123; 06-0046
11	44.3727	0.13	2.04157	0.18	Yes	06-0046
12	54.7922	4.83	1.67406	7.03	Yes	03-1123; 02-0027; 06-0046
13	61.1288	21.38	1.51483	31.09	Yes	05-0586; 02-0027; 06-0046; 10-0443
14	63.1614	3.29	1.4721	4.78	Yes	05-0586; 02-0027; 10-0443; 29-0712
15	65.9247	15.98	1.41576	23.24	Yes	17-0536; 05-0586
No.	Visible	Ref. Code	Score	Compound Name	Chemical Formula	
1	*	17-0536	9	Goethite	Fe O (O H)	
2	*	03-1123	25	Lime	Ca O	
3	*	05-0586	19	Calcite, syn	Ca C O3	
4	*	02-0027	4	Nontronite	(Fe , Al) (Si , Al)2 O5 (O H) !x H2 O	
5	*	06-0046	5	Gypsum	Ca S O4 !2 H2 O	
6	*	10-0443	0	Jarosite	K Fe3 (S O4)2 (O H)6	
7	*	29-0712	Unmatched Strong	Ferrihydrite, syn	Fe5 O7 (O H) !4 H2 O	

Tableau 2 : Résultats DRX sur boues lavées (selon L. Bernier)