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(1) View of Hat Creek burnt shale deposit in 'A' cut above No. 1 Coal Reserve

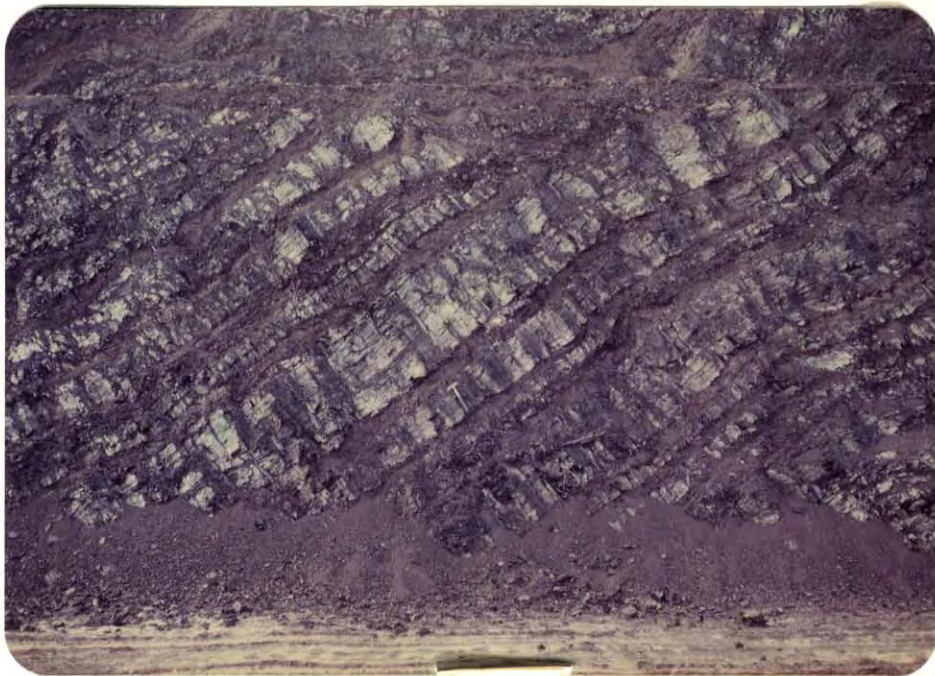


(2) Base of coal measures

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(3) Hat Creek Coal Formation fresh exposure



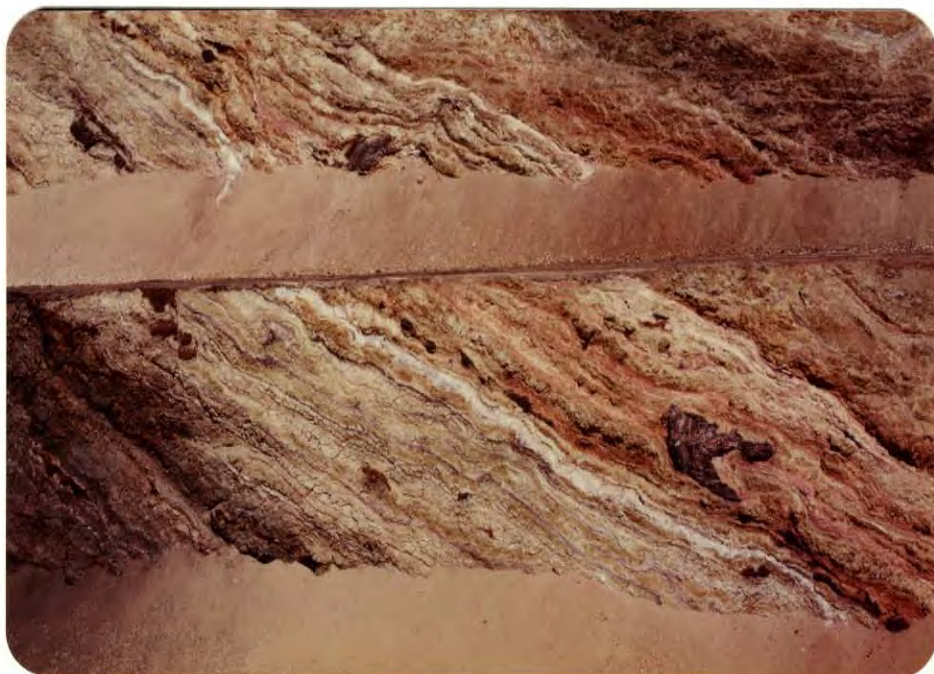
(4) Fossil log (replaced by siderite) extracted from coal



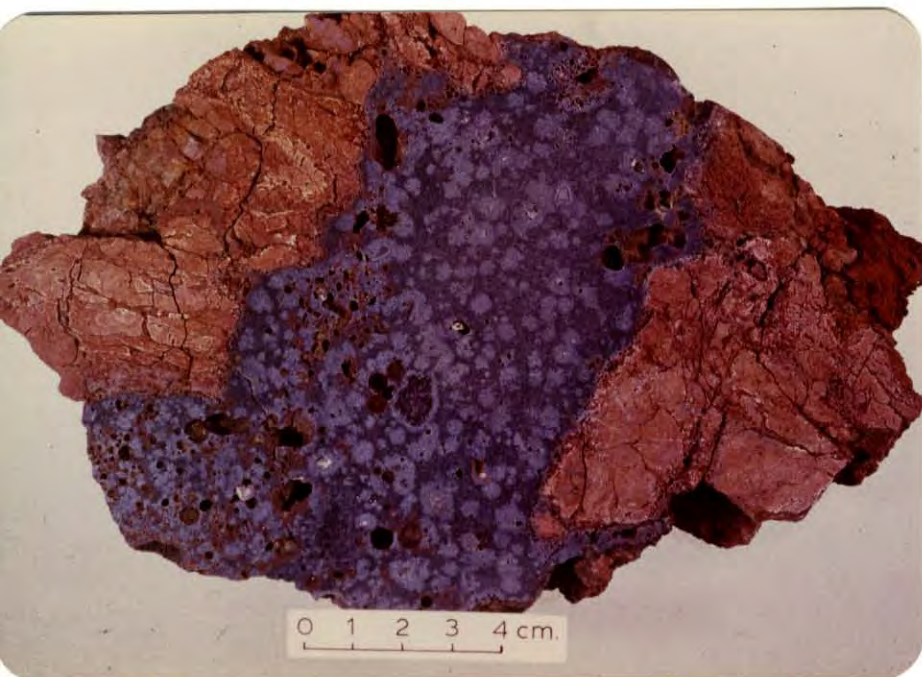
(5) Contact of burnt zone and coal

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(6) Remanence of hematized fossil logs in burnt zone



(7) Baked clay residue showing some fusion on cracks

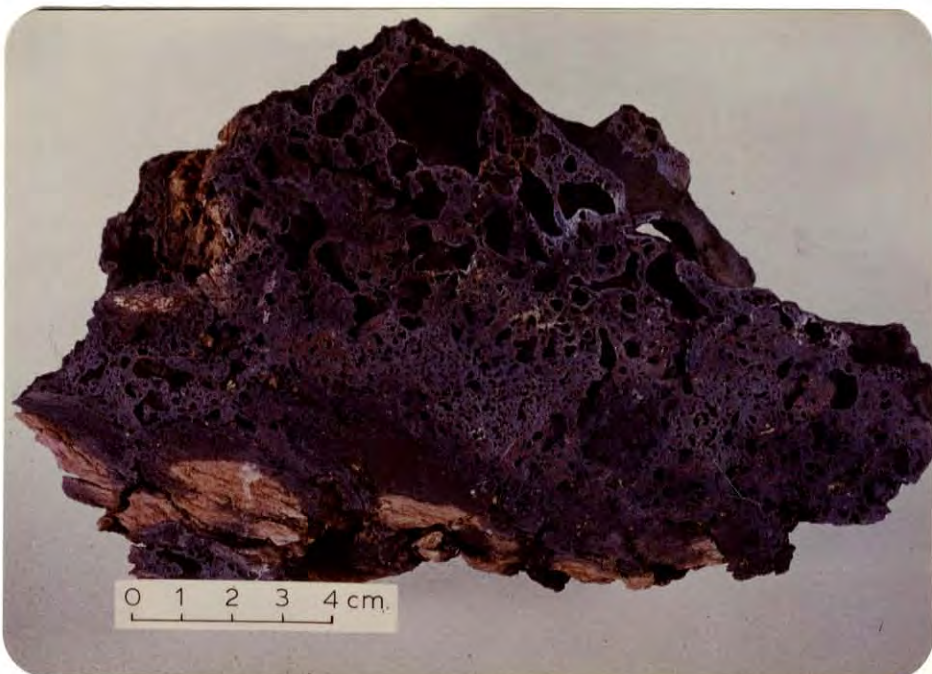


(8) Pseudomagma showing spots of cordierite intruding baked claystone

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(9) Vesicular pseudolava (slag) with inclusions of baked shale





(10) Lens of iron-rich (slag)  
pseudolava in bocanne

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(11) Fossil log converted to  
vesicular hematite and  
magnetite

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NAME		* ( ) = S.Q.		COMPLETE OXIDE			+ Cr <sub>2</sub> O <sub>3</sub> + NiO			DATE REC'D	NO. OF SAMPLES
LAB. NO.	MARK	%S	%C	%FeO	PARATRAC	SPINEL	total H <sub>2</sub> O	% - H <sub>2</sub> O	% + H <sub>2</sub> O		
21847H	HT2-50	Soft	1.26	0.56	0.14	(>10.0)	(>2.0)	(>1.0)	22.18	10.04	12.14
8	HT2-100		0.026	0.07	0.07	0.32	0.01	0.06	16.00	8.13	7.87
9	HT2-170	"	0.102	0.07	0.07	0.32	0.001	0.01	0.64	0.35	0.29
21850	HT3-1A		0.007	7.93	0.09	N.D.	0.005	0.01	0.48	0.11	0.37
1	" -1B	"	0.009	0.15	0.10	0.30	0.005	0.02	2.04	0.53	1.51
2	" -1C		0.474	0.31	0.17	(>10.0)	(>1.0)	(>1.0)	7.68	6.54	1.14
3	" -2		0.024	<0.02	0.29	0.20	0.02	0.07	0.04	0.02	0.02
4	HT4-H		<0.005	<0.02	0.11	<0.1 N.D.	0.03	0.07	0.22	0.03	0.19
5	" -5		<0.005	<0.02	0.66	<0.1 N.D.	0.01	0.02	0.24	0.03	0.21
6	" -6		0.560	16.30	16.51	<0.1 N.D.	0.008	0.014	4.52	0.71	3.81
7	PRC-2A		0.026	0.29	0.42	(>7.0)	(>2.0)	(>2.0)	0.32	0.10	0.22
8	" -2B		0.180	0.04	6.21	0.22	0.025	0.14	0.72	0.17	0.55
9	" -2C		0.650	0.26	0.87	(>10.0)	0.035	0.09	0.96	0.56	0.46
21860H	VER-1A		0.035	1.12	0.25	0.30	0.03	0.07	0.84	0.03	0.81
1	" -3		0.223	0.09	0.18	0.32	0.14	0.20	1.24	0.37	0.87
2	VIT 20		<0.005	<0.02	1.36	0.28	0.05	0.16	4.76	1.01	3.75
3	VIT 47		0.012	0.00	8.73	1.26	0.10	0.06	2.18	1.0	1.18

\* mixture enriched in woodhouseite - hinsdalite - goyozite and gorceixite

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