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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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CENTRAL MAINE
M. A. CHAFFEE

Table 2.--Matrix of correlation coefficients and number of determinable observation pairs for stream sediments, central Maine[1/]

[Elements are grouped by principal components]

Element	Silicate Rock Component		Late Magmatic or Pegmatitic Rock Component				Manganese Scavenging Component					Mafic Igneous Rock Component									Felsic Igneous Rock Component					Copper Component		Rare Earth Component
	Al	Zr	Y	Yb	Be	Mn	CmZn	Co	CxHM	Pb	Mo	Mg	V	Ni	Cr	Ca	Sr	Fe	Ti	Sc	K	Na	Ba	Ga	B	CxCu	Spec Cu	La
Al	-----	49	20	29	-12	24	0	7	7	3	-16	62	54	35	44	12	58	61	69	7	31	65	58	52	5	-12	11	-13
Zr	4,869	-----	29	39	1	3	-21	-10	-10	-2	-19	27	20	6	23	12	31	28	55	10	13	36	34	26	1	-10	-7	1
Y	4,876	5,693	-----	83	44	11	8	1	0	23	10	9	11	9	0	9	17	21	23	35	13	13	16	24	-11	2	13	43
Yb	4,698	5,292	5,306	-----	40	17	10	4	1	21	6	23	19	16	9	13	18	34	34	42	13	16	20	28	9	-4	16	33
Be	1,930	2,356	2,437	2,312	-----	18	13	1	9	18	24	-19	-18	-5	-12	-4	-26	-1	-14	11	0	-11	18	-1	-0	0	4	33
Mn	4,892	5,705	5,791	5,306	2,437	-----	49	65	67	32	23	33	33	38	28	22	19	58	25	10	10	12	25	16	11	-5	29	5
CmZn	4,545	5,308	5,384	4,952	2,260	5,399	-----	44	61	28	21	14	18	39	17	-1	0	34	-5	8	10	-4	14	6	10	12	39	4
Co	4,366	5,180	5,243	4,781	2,180	5,250	4,972	-----	50	27	25	35	48	58	35	17	17	60	19	19	4	-7	14	18	11	-7	37	0
CxHM	4,798	5,596	5,682	5,200	2,385	5,698	5,623	5,177	-----	35	20	21	25	37	30	17	14	40	6	2	17	5	17	6	3	19	32	1
Pb	4,671	5,495	5,573	5,109	2,426	5,577	5,192	5,148	5,474	-----	19	1	9	12	-1	5	7	19	-0	8	18	9	8	25	3	19	29	17
Mo	663	780	797	715	517	795	743	750	782	792	---	-15	5	-1	-15	-1	-16	6	-15	-4	-10	-14	1	-9	24	10	8	14
Mg	4,885	5,697	5,787	5,308	2,438	5,802	5,391	5,242	5,690	5,574	798	-----	77	66	67	43	52	77	73	32	3	35	33	38	13	-10	35	-11
V	4,858	5,690	5,763	5,280	2,436	5,776	5,402	5,250	5,668	5,577	797	5,768	-----	62	63	29	50	75	69	32	12	28	33	45	8	-13	38	-8
Ni	4,790	5,615	5,693	5,212	2,394	5,704	5,325	5,245	5,600	5,513	787	5,696	5,693	-----	68	21	35	65	39	16	13	7	30	26	9	-5	51	-0
Cr	4,881	5,704	5,783	5,298	2,436	5,798	5,342	5,251	5,688	5,577	797	5,790	5,775	5,704	-----	33	52	61	55	12	12	27	33	23	5	-14	32	-3
Ca	4,892	5,531	5,618	5,305	2,433	5,634	5,391	5,087	5,524	5,406	795	5,626	5,601	5,531	5,623	-----	53	33	32	29	-4	11	-0	17	-1	-13	17	9
Sr	4,895	5,708	5,794	5,309	2,437	5,812	5,402	5,252	5,700	5,579	798	5,804	5,779	5,706	5,800	5,638	-----	49	53	20	29	56	55	39	-14	-13	13	-6
Fe	4,881	5,683	5,769	5,309	2,432	5,788	5,378	5,228	4,798	5,561	788	5,780	5,754	5,682	5,776	5,612	5,790	-----	67	38	16	37	44	38	12	-15	41	-6
Ti	4,895	5,705	5,791	5,308	2,438	5,810	5,399	5,250	5,698	5,578	795	5,802	5,776	5,704	5,798	5,637	5,812	5,788	-----	30	5	45	38	43	0	-15	16	-8
Sc	3,649	4,340	4,386	4,071	1,971	4,392	4,179	4,267	4,330	4,319	662	4,381	4,392	4,386	4,393	4,352	4,393	4,369	4,389	-----	-0	8	2	29	11	0	13	21
K	4,726	5,376	5,453	5,170	2,415	5,456	5,103	4,994	5,354	5,318	774	5,455	5,456	5,383	5,456	5,454	5,457	5,445	5,457	4,290	-----	48	38	39	3	-1	13	-0
Na	4,894	5,535	5,621	5,308	2,435	5,637	5,274	5,091	5,527	5,410	796	5,629	5,605	5,534	5,627	5,637	5,641	5,615	5,640	4,356	5,457	-----	46	42	-3	1	0	-6
Ba	4,896	5,709	5,795	5,309	2,438	5,814	5,403	5,254	5,702	5,581	799	5,806	5,780	5,708	5,802	5,638	5,816	5,792	5,814	4,393	5,458	5,641	-----	30	-4	-2	8	-11
Ga	4,769	5,434	5,506	5,198	2,428	5,514	5,159	5,064	5,410	5,376	789	5,504	5,515	5,445	5,513	5,511	5,515	5,492	5,515	4,350	5,434	5,515	5,516	-----	11	-8	19	5
B	1,993	2,610	2,659	2,377	1,357	2,664	2,514	2,535	2,608	2,618	291	2,664	2,662	2,649	2,662	2,488	2,662	2,661	2,662	2,140	2,476	2,490	2,664	2,483	-----	-4	21	4
CxCu	548	686	691	644	337	695	712	680	754	682	90	687	695	693	695	689	695	548	695	625	673	689	695	685	379	---	51	2
Spec. Cu	4,893	5,706	5,792	5,306	2,435	5,811	5,401	5,254	5,699	5,578	799	5,803	5,777	5,705	5,799	5,635	5,813	5,789	5,811	4,391	5,455	5,638	5,815	5,513	2,664	695	-----	10
La	1,488	1,890	1,937	1,816	1,127	1,936	1,806	1,842	1,908	1,901	399	1,936	1,928	1,920	1,934	1,927	1,937	1,933	1,936	1,773	1,889	1,930	1,937	1,905	996	324	1,937	---

1/ Key to table:

Correlation coefficients (X 100)

Numbers of analytically determinable pairs of observations used to compute corresponding correlation coefficients.

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