TABLE 2. VERTEBRATE BONE SAMPLES FROM OJO ALAMO SANDSTONE AND KIRTLAND FORMATION COLLECTED FOR CHEMICAL ANALYSIS; U AND RARE-EARTH ELEMENT (REE) VALUES SHOWI

Figure designation	Sample No.	Sample of:	Meters Above Base of OA	Location 1/41/4 Sec., Tsp, R.	Longitude	Latitude	Notes	Quadrangle	U (ppm)	La/Yb(n)	Sum REE
							OJO ALAMO SANDSTONE - PALEOCENE				
1-SJR	FBHF	Hadrosaur femur	15.2	NWNE 36, 29N, 14W	108.25836	36.68774	Small core of hadrosaurid, indeterminate	Kirtland	33	3.2	1004
4-B	022899-OA1	Limb bone	7.3	NENW 32, 25N, 12W	108.13746	36.36251	Fragment of limb bone	Alamo Mesa West	530	14.0	785
4-F	051298-BB1	Sauropod femur	1.8	NWNE 3, 24N, 12W	108.09684	36.34984	Small core, *Alamosaurus sanjuanensis* (also SMP VP-1138)	Alamo Mesa East	834	7.2	1989
4-G	SMP VP-1494	Sauropod vertebra	3.5	SWSE 34, 25N, 12W	108.09524	36.35103	Small fragment, *Alamosaurus sanjuanensis* (from R.M. Sullivan)	Alamo Mesa East	657	6.2	38
4-H	020103	Bone fragment	4.6	NWNW 7, 24N, 11W	108.05111	36.33376	Small bone fragment from lag deposit	Alamo Mesa East	190	11.6	5916
4-I	P-19147	Hadrosaur scapula	6.1	NWNW 7, 24N, 11W	108.04946	36.33449	Sample from outer cortical surface (from S.G. Lucas)	Alamo Mesa East	681	12.0	1287
4-J(1)	022799-B1	Limb bone	8.2	SWNW17, 24N, 11W	108.03267	36.31647	Fragment of large limb bone	Alamo Mesa East	720	5.0	1417
4-J(2)	022799-B2	Limb bone	8.2	SWNW17, 24N, 11W	108.03267	36.31647	Fragment of different limb bone from same locality	Alamo Mesa East	822	10.6	2244
4-K	022799-C	Limb bone	5.8	SWNW17, 24N, 11W	108.03267	36.31618	Fragment of limb bone	Alamo Mesa East	436	7.7	6174
4-L	022799-A	Limb bone	5.8	SENW 17, 24N, 11W	108.02990	36.31638	Fragment of large limb bone	Alamo Mesa East	232	1.6	73
4-O	051504	Ceratops frill	3.7	SESE 17, 24N, 11W	108.01707	36.30754	Ceratopsian frill fragment	Alamo Mesa East	312	4.9	1149
4-N	SMP VP-1625	Sauropod femur	4.9	SESE 17, 24N, 11W	108.01645	36.30753	Fragment of *Alamosaurus sanjuanensis* (from R.M. Sullivan)	Alamo Mesa East	386	4.0	1445
11-B	072598-4C	Tyranosaurid femur	1.8	SWSW 4, 22N, 9W	107.80185	36.16244	Fragment of femur of Tyrannosauridae, indterminate (also SMP VP-1113)	Kimbeto	166	1.6	58
11-C	072598-1C	Limb bone	2.4	SWSW 4, 22N, 9W	107.80032	36.16340	Fragment from fragmented limb bone	Kimbeto	247	4.7	541
11-D	P-35957	Sauropod femur	4.6	SESW 4, 22N, 9W	107.79382	36.16375	Large femur of *Alamosaurus sanjuanensis* - (from S.G. Lucas)	Kimbeto	89	5.2	247
								Mean	422	6.6	1624
								Std. Dev.	269	3.8	1920
								Median	386	5.2	1149
								MIN	33	1.6	38
								MAX	834	14	6174
							KIRTLAND FORMATION - CRETACEOUS				
Figure designation	**Sample No.**	**Sample of:**	**Meters Below Base of OA**	**Location 1/41/4 Sec., Tsp, R.**	**Longitude**	**Latitude**	**Notes**	**Quadrangle**	**U (ppm)**	**La/Yb(n)**	**Sum REE**
1-FSS	040403	Bone fragment	213.4	NENE 24, 30N, 15W	108.36338	36.80334	Single bone fragment (collected by L. Kaltenback and C. Griffith)	Youngs Lake	9	13.9	2882
4-A(1)	070498-8	Ceratops frill	9.1	SWNE 31, 25N. 12W	108.14788	36.35922	Bone fragment from lag deposit	Alamo Mesa West	22	17.1	5231
4-A(2)	070498-8A	Vertebra	9.1	SWNE 31, 25N. 12W	108.14788	36.35922	Bone from lag deposit	Alamo Mesa West	14	14.2	3934
4-A(3)	070498-8B	Limb bone	9.1	SWNE 31, 25N. 12W	108.14788	36.35922	Bone fragment from lag deposit	Alamo Mesa West	2	20.9	955
4-A(4)	070498-8C	Turtle limb bone	9.1	SWNE 31, 25N. 12W	108.14788	36.35922	Bone from lag deposit	Alamo Mesa West	45	27.2	2865
4-A(5)	090498-8X	Limb bone	9.1	SWNE 31, 25N. 12W	108.14788	36.35922	Bone fragment from lag deposit	Alamo Mesa West	45	14.6	2070
4-A(6)	090498-8Y	Limb bone	9.1	SWNE 31, 25N. 12W	108.14788	36.35922	Bone fragment from lag deposit	Alamo Mesa West	25	18.2	5626
4-E	022899-A	Limb bone	54.9	SWNE 31, 25N. 12W	108.13591	36.34727	Fragment of thin bone protruding from ss rib	Alamo Mesa West	2	22.4	2091
4-D	020203-A	Large femur	10.7	NWNW 33, 25N, 12W	108.12511	36.36464	Fragment of large femur	Alamo Mesa West	14	11.2	2073
4-O	SMP VP-1468	Large femur	6.1	SESE 17, 24N, 11W	108.07360	36.34083	Small black to reddish fragment (from R.M. Sullivan)	Alamo Mesa East	27	5.6	261
4-M	022799-D	Limb bone	6.1	SENW 17,24N,11W	108.02602	36.31428	Bone fragment	Alamo Mesa East	27	6.2	378
11-A	072598-6C	Turtle-bone	18.3	NENE 8,22N,9W	107.80543	36.16004	Small turtle-bone fragment	Kimbeto	38	3.9	5610
59-A	110803-A	Hadrosaur metatarsal	39.6	SWSW 8, 20N, 6W	107.50146	35.97507	Hadrosaurid, indeterminate	Star Lake	2	9.7	3010
59-B	040104	Limb bone	12.2	CNE16, 20N, 6W	107.47317	35.96781	Bone fragment from limb bone	Star Lake	4	13.1	66
59-C	110803-B	Fragmented femur	0.1	NENE16, 20N, 6W	107.47122	35.97008	Fragment of specimen UNMTOA-2 (originally labeled from Ojo Alamo)	Star Lake	30	7.7	2705
								Mean	20	13.7	2650
								Std. Dev.	15	6.9	1912
								Median	23	13.7	2398
								MIN	2	3.9	66
								MAX	45	27.2	5626
							Ratios of Means	Ojo Alamo/Kirtland	21	0.5	0.6
		Samples from collection site 020203 are not included in data set because they were from vertebrate fragments that may not be in place									
4-C(1)	020203-B	Bone fragment	10.6	NWNE32, 25N, 12W	108.13005	36.36271	Bone eroded from overlying Ojo Alamo	Alamo Mesa West	110	5.4	6428
4-C(2)	020203-T	Turtle shell	10.6	NWNE32, 25N, 12W	108.13005	36.36271	Turtle-shell fragment eroded from overlying Ojo Alamo Sandstone	Alamo Mesa West	86	6.0	7410

NOTES: Chemical analyses by J.R. Budahn, USGS, Denver; chemistry data for 18 samples in blue were published in Fassett et al. 2002; 14 samples in brown published here for first time. Samples with numbers that are dates collected by J.E. Fassett (except for sample 040403) on dates shown; other analyzed samples from R.M. Sullivan and S.G. Lucas, as shown; samples ordered from west to east.