



**DESCRIPTIVE NOTES**

Map of the present architecture of the North American Cordillera was established during the Cretaceous Period. The Laramide Orogeny in the Rockies, the main phase of plutonism in the Coast Plutonic Complex, and the Sierra Nevada / Franciscan subduction complex in California extend to great distances during Cretaceous time. Kinematic reconstructions of the Kula and Farallon plates suggest thousands of kilometers of oblique subduction below North America during the Cretaceous. The Cretaceous paleogeographic framework of the Pacific is still uncertain, but it is being refined by recent paleomagnetism results which complement results from their earth sciences studies.

The Taseko Lakes map area, in particular, has been the focus of intensive paleogeographic study on Cretaceous rocks (Fig. 1A). In the 1950s and 1960s, a number of field studies were interpreted to suggest that a major fault (1000 km strike slip) cutting through this map area separated the Interior and Intermontane superterrestes. The key paleogeographic studies were conducted by the Spences Bridge Group from just east of map area 600 (Irving et al., 1965, 1966), and from the Silverado and Powell Creek areas (Irving et al., 1965, 1966). The latter studies were conducted by the Spences Bridge Group from just east of map area 600 (Irving et al., 1965, 1966), and from the Silverado and Powell Creek areas (Irving et al., 1965, 1966). The latter studies were conducted by the Spences Bridge Group from just east of map area 600 (Irving et al., 1965, 1966), and from the Silverado and Powell Creek areas (Irving et al., 1965, 1966).

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Table 3. Paleomagnetism sites collected within Taseko Lakes map area (NTS 92-0).

Site	UTM Easting	UTM Northing	Locality	Geologic Unit	Approx. Age (Ma)	Susc (SI)	NRM (A/m)	Koenigsberger Ratio (K)	DECg (°)	INCg (°)	DECs (°)	INCs (°)	Alpha95 (°)
<b>TA: Tête Angela Creek (61.7°N, 123.7°W) [Enkin et al., 2006]</b>													
TA01	451720	571620	Tête Angela Creek	Power Creek Fm.	85	8.71E-03	9.18E-02	0.40	281.4	74.9	7.3	73.0	4.7
TA02	451720	571620	Tête Angela Creek	Power Creek Fm.	85	8.81E-03	1.86E-01	0.33	297.7	66.0	34.4	66.8	7.8
TA03	450437	571628	Tête Angela Creek	Power Creek Fm.	85	1.22E-03	7.14E-02	0.48	283.4	72.0	9.7	66.7	5.1
TA04	451720	571628	Tête Angela Creek	Power Creek Fm.	85	1.07E-02	2.42E-01	0.27	85.5	73.4	21.1	63.1	4.0
TA05	451720	571628	Tête Angela Creek	Power Creek Fm.	85	2.37E-02	3.64E-02	0.67	74.9	76.1	11.9	69.2	6.8
TA06	451720	571628	Tête Angela Creek	Power Creek Fm.	85	8.97E-02	3.64E-02	0.41	103.7	69.0	38.9	63.9	13.8
TA07	451720	571628	Tête Angela Creek	Power Creek Fm.	85	1.07E-02	2.42E-01	0.27	85.5	73.4	21.1	63.1	4.0
TA08	451720	571628	Tête Angela Creek	Power Creek Fm.	85	6.71E-03	9.18E-02	0.37	235.6	83.3	34.3	57.3	9.6
TA09	450437	571628	Tête Angela Creek	Power Creek Fm.	85	3.10E-03	1.08E-01	0.10	89.8	84.7	12.9	52.9	4.8
TA10	450437	571628	Tête Angela Creek	Power Creek Fm.	85	2.56E-03	4.26E-02	0.26	206.6	85.9	36.8	69.2	7.5
TA11	450437	571628	Tête Angela Creek	Power Creek Fm.	85	2.84E-03	7.89E-02	0.10	150.4	87.7	6.3	55.6	6.0
TA12	450437	571628	Tête Angela Creek	Power Creek Fm.	85	5.28E-03	1.22E-01	0.60	90.4	87.7	5.9	53.0	7.5
TA13	450437	571628	Tête Angela Creek	Power Creek Fm.	85	6.99E-03	1.54E-01	0.56	148.0	86.3	8.1	56.8	6.0
<b>BA: Battlement and Amazon Creeks (61.7°N, 123.3°W) [Enkin et al., 2006]</b>													
BA01	478600	568197	Battlement Creek	Power Creek Fm.	85	2.14E-02	1.48E-01	0.23	73.2	87.2	26.7	64.8	1.8
BA02	478600	568197	Battlement Creek	Power Creek Fm.	85	7.72E-04	2.43E-02	0.17	308.8	88.7	17.4	69.2	2.0
BA03	478600	568197	Battlement Creek	Power Creek Fm.	85	8.56E-03	2.04E-01	0.38	319.8	86.2	3.8	64.6	2.4
BA04	478600	568197	Battlement Creek	Power Creek Fm.	85	8.44E-03	1.42E-01	0.42	308.4	82.8	4.7	63.8	2.0
BA05	478600	568197	Battlement Creek	Power Creek Fm.	85	2.98E-03	1.93E-01	0.41	142.4	80.1	16.8	62.0	4.2
BA06	478600	568197	Battlement Creek	Power Creek Fm.	85	2.87E-02	6.06E-01	0.53	313.3	62.2	34.6	46.4	4.3
BA07	478600	568197	Battlement Creek	Power Creek Fm.	85	2.50E-02	7.28E-01	0.71	312.1	72.1	30.8	54.4	3.2
BA08	469150	569200	Amazon Creek	Power Creek Fm.	85	6.92E-04	2.41E-02	1.49	207.0	62.7	14.9	59.8	5.2
BA09	469150	569200	Amazon Creek	Power Creek Fm.	85	1.03E-03	6.18E-02	1.48	277.8	84.8	18.7	60.9	5.0
BA10	469150	569200	Amazon Creek	Power Creek Fm.	85	1.67E-03	7.41E-02	1.75	285.9	71.9	32.9	58.5	1.3
BA11	469150	569200	Amazon Creek	Power Creek Fm.	85	8.96E-04	6.56E-02	1.94	268.4	78.6	34.4	58.3	3.1
BA12	469150	569200	Amazon Creek	Power Creek Fm.	85	7.92E-03	3.54E-01	1.34	308.8	77.0	6.0	55.4	3.6
BA13	469150	569200	Amazon Creek	Power Creek Fm.	85	1.48E-03	4.85E-01	0.11	271.6	78.8	2.2	63.0	2.8
BA14	469150	569200	Amazon Creek	Power Creek Fm.	85	7.91E-03	1.06E+00	0.30	255.2	77.9	7.1	66.2	3.6
BA15	469150	569200	Amazon Creek	Power Creek Fm.	85	1.17E-02	4.71E-01	0.99	264.8	77.2	8.0	68.4	3.8
BA16	469150	569200	Amazon Creek	Power Creek Fm.	85	2.41E-02	2.44E-01	0.32	81.6	81.2	18.4	64.4	4.2
BA17	478600	568197	Battlement Creek	Power Creek Fm.	85	2.56E-02	3.48E-01	0.33	334.9	77.8	6.0	47.4	5.0
<b>EA: Empire Valley (61.7°N, 123.3°W) [Enkin et al., 2006]</b>													
EA01	471100	569973	Battlement Ridge	Power Creek Fm.	85	1.22E-02	3.24E-01	0.77	N/A	N/A	N/A	N/A	N/A
EA02	471100	569973	Battlement Ridge	Power Creek Fm.	85	1.58E-04	8.24E-02	9.34	N/A	N/A	N/A	N/A	N/A
EA03	471100	569973	Battlement Ridge	Power Creek Fm.	85	1.95E-04	2.06E-01	0.30	N/A	N/A	N/A	N/A	N/A
EA04	470700	568750	Battlement Ridge	Power Creek Fm.	85	9.13E-03	5.21E-02	1.43	N/A	N/A	N/A	N/A	N/A
EA05	470700	568750	Battlement Ridge	Power Creek Fm.	85	8.08E-04	1.64E-02	0.86	N/A	N/A	N/A	N/A	N/A
EA06	471100	569973	Battlement Ridge	Power Creek Fm.	85	7.40E-04	1.14E-02	0.38	N/A	N/A	N/A	N/A	N/A
EA07	470700	568750	Battlement Ridge	Power Creek Fm.	85	1.28E-03	1.83E-02	0.32	N/A	N/A	N/A	N/A	N/A
EA08	470700	568750	Battlement Ridge	Power Creek Fm.	85	8.14E-04	3.15E-02	0.42	N/A	N/A	N/A	N/A	N/A
EA09	471000	569950	Battlement Ridge	Power Creek Fm.	85	5.88E-04	8.38E-03	0.50	N/A	N/A	N/A	N/A	N/A
EA10	478600	568500	Battlement Ridge	Power Creek Fm.	85	7.08E-03	2.64E-01	0.49	N/A	N/A	N/A	N/A	N/A
EA11	478600	568500	Battlement Ridge	Power Creek Fm.	85	8.37E-03	1.13E-01	0.73	N/A	N/A	N/A	N/A	N/A
EA12	477600	568500	Battlement Ridge	Power Creek Fm.	85	1.56E-02	2.46E-01	0.64	N/A	N/A	N/A	N/A	N/A
EA13	470700	568750	Battlement Ridge	Power Creek Fm.	85	8.91E-03	3.02E-01	0.61	N/A	N/A	N/A	N/A	N/A
EA14	470700	568750	Battlement Ridge	Power Creek Fm.	85	6.27E-03	7.26E-01	2.83	N/A	N/A	N/A	N/A	N/A
EA15	470700	568750	Battlement Ridge	Power Creek Fm.	85	9.86E-03	4.11E+00	10.46	N/A	N/A	N/A	N/A	N/A
EA16	470700	568750	Battlement Ridge	Power Creek Fm.	85	1.09E-02	3.84E-01	0.81	N/A	N/A	N/A	N/A	N/A
EA17	470600	568540	Battlement Ridge	Power Creek Fm.	85	1.12E-02	2.28E-01	0.50	N/A	N/A	N/A	N/A	N/A
EA18	470700	568750	Battlement Ridge	Power Creek Fm.	85	9.16E-03	1.12E-01	0.36	N/A	N/A	N/A	N/A	N/A
EA19	470700	568750	Battlement Ridge	Power Creek Fm.	85	8.32E-03	2.21E-01	0.62	N/A	N/A	N/A	N/A	N/A
EA20	470700	568750	Battlement Ridge	Power Creek Fm.	85	3.82E-04	2.02E-03	0.28	N/A	N/A	N/A	N/A	N/A
EA21	478600	568500	Battlement Ridge	Power Creek Fm.	85	8.18E-04	5.26E-02	1.29	N/A	N/A	N/A	N/A	N/A
EA22	478100	569550	Battlement Ridge	Power Creek Fm.	85	1.87E-02	7.38E-01	1.11	N/A	N/A	N/A	N/A	N/A
EA23	478600	568500	Battlement Ridge	Power Creek Fm.	85	1.87E-02	5.64E-01	0.89	N/A	N/A	N/A	N/A	N/A
EA24	478600	568500	Battlement Ridge	Power Creek Fm.	85	1.54E-02	1.06E-01	0.31	N/A	N/A	N/A	N/A	N/A
EA25	469150	569200	Amazon Creek	Power Creek Fm.	85	3.08E-02	3.08E-01	0.30	N/A	N/A	N/A	N/A	N/A
EA26	469150	569200	Amazon Creek	Power Creek Fm.	85	3.17E-03	2.56E-01	0.36	N/A	N/A	N/A	N/A	N/A
EA27	469150	569200	Amazon Creek	Power Creek Fm.	85	6.27E-03	2.56E-01	0.36	N/A	N/A	N/A	N/A	N/A
EA28	470700	568750	Battlement Ridge	Power Creek Fm.	85	3.82E-04	2.02E-03	0.28	N/A	N/A	N/A	N/A	N/A
EA29	470700	568750	Battlement Ridge	Power Creek Fm.	85	8.18E-04	5.26E-02	1.29	N/A	N/A	N/A	N/A	N/A
EA30	478100	569550	Battlement Ridge	Power Creek Fm.	85	1.87E-02	7.38E-01	1.11	N/A	N/A	N/A	N/A	N/A
EA31	478600	568500	Battlement Ridge	Power Creek Fm.	85	1.87E-02	5.64E-01	0.89	N/A	N/A	N/A	N/A	N/A
EA32	478600	568500	Battlement Ridge	Power Creek Fm.	85	1.54E-02	1.06E-01	0.31	N/A	N/A	N/A	N/A	N/A
EA33	469150	569200	Amazon Creek	Power Creek Fm.	85	3.08E-02	3.08E-01	0.30	N/A	N/A	N/A	N/A	N/A
EA34	469150	569200	Amazon Creek	Power Creek Fm.	85	3.17E-03	2.56E-01	0.36	N/A	N/A	N/A	N/A	N/A
EA35	469150	569200	Amazon Creek	Power Creek Fm.	85	6.27E-03	2.56E-01	0.36	N/A	N/A	N/A	N/A	N/A
EA36	470700	568750	Battlement Ridge	Power Creek Fm.	85	3.82E-04	2.02E-03	0.28	N/A	N/A	N/A	N/A	N/A
EA37	470700	568750	Battlement Ridge	Power Creek Fm.	85	8.18E-04	5.26E-02	1.29	N/A	N/A	N/A	N/A	N/A
EA38	478100	569550	Battlement Ridge	Power Creek Fm.	85	1.87E-02	7.38E-01	1.11	N/A	N/A	N/A	N/A	N/A
EA39	478600	568500	Battlement Ridge	Power Creek Fm.	85	1.87E-02	5.64E-01	0.89	N/A	N/A	N/A	N/A	N/A
EA40	478600	568500	Battlement Ridge	Power Creek Fm.	85	1.54E-02	1.06E-01	0.31	N/A	N/A	N/A	N/A	N/A
EA41	469150	569200	Amazon Creek	Power Creek Fm.	85	3.08E-02	3.08E-01	0.30	N/A	N/A	N/A	N/A	N/A
EA42	469150	569200	Amazon Creek	Power Creek Fm.	85	3.17E-03	2.56E-01	0.36	N/A	N/A	N/A	N/A	N/A
EA43	469150	569200	Amazon Creek	Power Creek Fm.	85	6.27E-03	2.56E-01	0.36	N/A	N/A	N/A	N/A	N/A
EA44	470700	568750	Battlement Ridge	Power Creek Fm.	85	3.82E-04	2.						