

SI Table 2. Studied samples from El Laco

Sample	Location	Depth (m)	Type of rock
LCO-053	Laco Sur	260.9	Pegmatite Di-Anh
LCO-084	Pasos Blancos	372.7	Vein of massive magnetite
LCO-104	Pasos Blancos	395.2	Andesite crosscut by veins diopside, anhydrite and scapolite
LCO-198	Rodados Negros		Magnetite veins
LCO-204	Laco Sur	274.4	Pegmatite Di-Anh
LCO-207	Laco Sur	272.2	Pegmatite Di-Anh
LCO-208	Pasos Blancos	390.1	Andesite porphyry with disseminated magnetite and large vesicles with anhydrite
LCO-213	Pasos Blancos	390.6	Andesite porphyry with veins of anhydrite-magnetite
LCO-219	Pasos Blancos	369.1	Large body of massive magnetite
LCO-221	Pasos Blancos	365.5	Large body of massive magnetite
LCO-222	Pasos Blancos	368.2	Pegmatite Di-Mag
LCO-222-1	Pasos Blancos	357.8	Large body of massive magnetite
LCO-222-2	Pasos Blancos	349.0	Large body of massive magnetite
LCO-222-3	Pasos Blancos	365.5	Large body of massive magnetite - with interstitial diopside
LCO-222-4	Pasos Blancos	367.7	Pegmatite Di-Mag
LCO-222-5	Pasos Blancos	367.9	Pegmatite Di-Mag
LCO-224	Pasos Blancos	323.0	Andesite crosscut by veins of magnetite-albite-diopside
LCO-232-3	Pasos Blancos	368.7	Large body of massive magnetite
LCO-242	Pasos Blancos	252.7	Pegmatite Di-Anh
LCO-251	Pasos Blancos	354.0	Pegmatite Di-Mag
LCO-252-1	Pasos Blancos	397.0	Pegmatite Di-Mag
LCO-252-2	Pasos Blancos	397.2	Pegmatite Di-Mag
LCO-253	Pasos Blancos	345.3	Vein of massive magnetite
LCO-253-1	Pasos Blancos	345.3	Pegmatite Di-Mag
LCO-253-2	Pasos Blancos	345.3	Pegmatite Di-Mag
LCO-254	Pasos Blancos	324.2	Breccia suported by veins hybrid rock
LCO-304	Laco Sur		Fine grained magnetite with abundant vesicles
LCO-312	Pasos Blancos	227.5	Diorite
LCO-314	Pasos Blancos	210.0	Diorite
LCO-315	Pasos Blancos	233.5	Diorite
LCO-316	Pasos Blancos	209.9	Diorite
LCO-317	Pasos Blancos	226.5	Diorite
LCO-319-1	Pasos Blancos	235.9	Diorite
LCO-322	Pasos Blancos	305.7	Diorite
LCO-330	Pasos Blancos	150.5	Diorite with zones of massive plagioclase and diopside-magnetite
LCO-340	Laco Sur		Hematite, disseminated in zone of steam heated alteration