Abbreviated

S Kelcey h. 30

(31) The Alpine Passes between Sefton & the Coast.

The two Saddles are all Scab alpine except the Douglas, they follow the line of Creek between the main range & the Central one. Creek better is formed S the Hooker Campbell Tasman & Glennon Ranges.

The Central range is in many places higher than the main divide opposite it well defined all the way, being between one & two level of the rivers which flow from the divide & often rivers really from the passes this the range & the sea

The main Creek & Central valley has a very well defined Saddle leading thro the mountains. All on Silurian between the Lawrence & the Arawata, there has been valleys with the Banks & the coast lifting up nearly the whole of the Creek. All these Saddles have been ascended & noted on the Map.

i Waipara Pass

From the Waipara R. the Waiotu is a depression in the Main range about 4000 ft high, & it is the most elevated of these except the Douglas.

Whether this is the real line Creek up the Waipara rises & whether it is the low depression on the sea side of the Divide I am not quite certain. Known I am almost sure that the Col of the real Creek as there is a decided change of rocks at that place.

The Waipara Saddle was ascended by Mr Russell who up the Arawata. The height was taken & recorded & it is near the upper flats of the Waiotu. On both sides Schists lead gently down to the rivers. The depression at the Divide Arawata River Creek & the Forks of the Waiotu. It is much lower than the others. Arawata side very often rich precipitous

ii Calliope Pass

From the South Forks of the Excelsior River on the Shoulder the Calliope rises the Head of the Teas a branch of the Tasman. Height 5500 ft. Nearly a Saddle more depression on the line of Creeks. Of no value as such