**Remote Sensing analysis of the New Zealand Glacial Dynamics and Landforms**

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1. Identify and digitize end moraine in front of Mueller glacier (use 2010 image)?
2. Identify and digitize Hooker Proglacial Lake (use 2010 image)?
3. Identify and digitize 10 transverse crevasses present in Fox Glacier (use 2010 image)?
4. Identify and digitize Tasman Glacier Proglacial Lake using 2001 and also 2010 image. Calculate area from both images and list differences?
5. Identify icebergs in Hooker Proglacial Lake (use 2010 image)? I need the exact coordinates?
6. Identify supraglacial lakes of Tasman Glacier in 2001 scene and locate it in 2010 image? List the center coordinates of all lakes?
7. What is the altitude of lake in 2001 image and 2010 image?
8. How many tributary glaciers are merging into the main Tasman Glacier?
9. What geomorphological evidence do you see on Tasman Glacier that indicates advancement and retreat of the tributary glaciers (use 2010 image)?
10. Identify five hanging valleys and provide coordinates (use 2010 image)?
11. Identify five cirques and provide coordinates (use 2010 image)?
12. Identify and digitize medial moraine of Tasman Glacier (use 2010 image)?
13. Identify and digitize side lateral moraines of Hooker Glacier?