

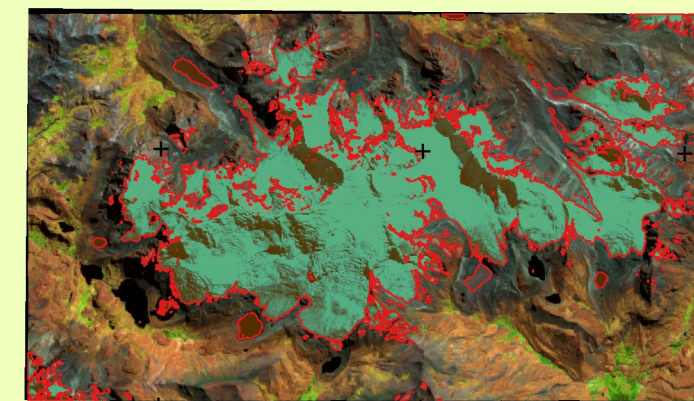
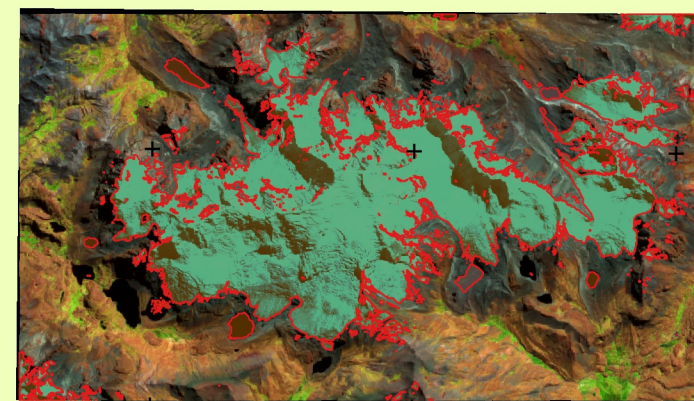
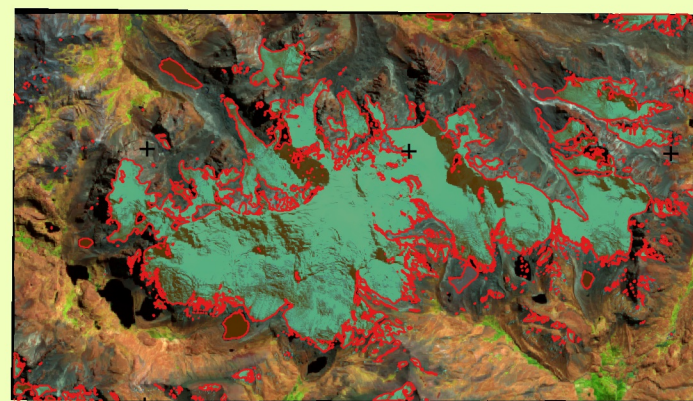
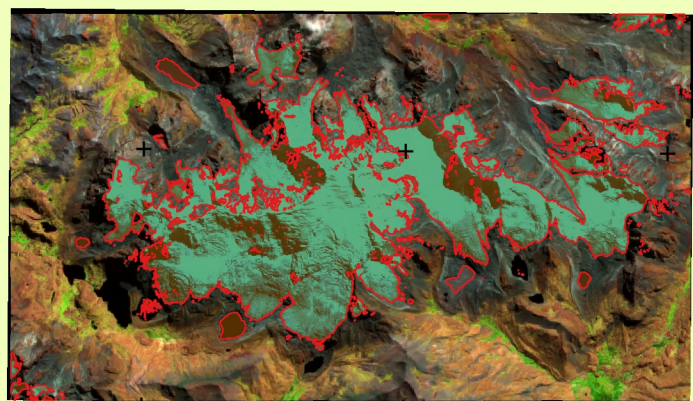
ESTIMACION DE AREA METODO NDSI > 0.4

NDSI-2016/06/19---Área (km2) = 26.109

NDSI-2016/07/29---Área (km2) = 28.351

NDSI-2017/07/19---Área (km2) = 29.911

NDSI-2017/07/24---Área (km2) = 29.426

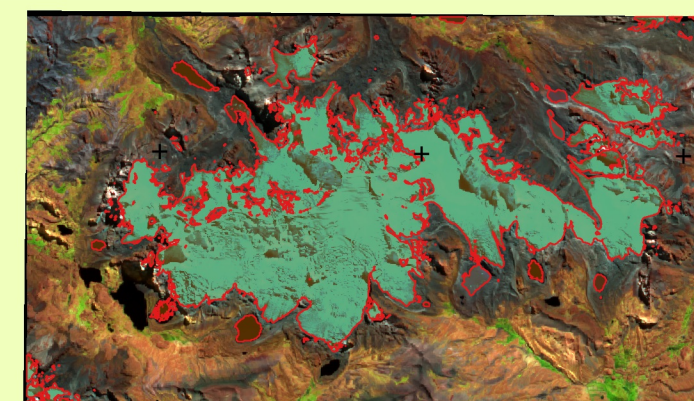
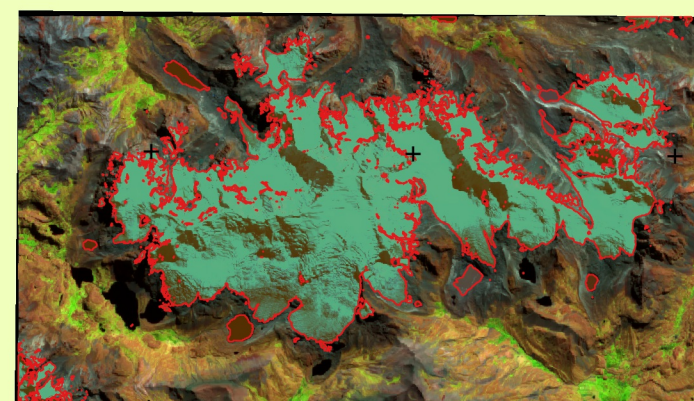
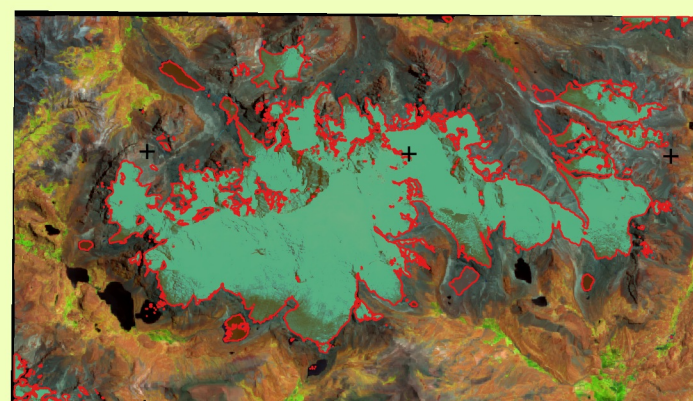
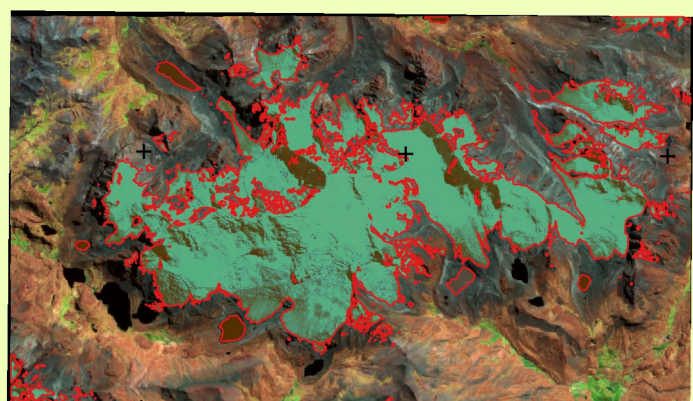


NDSI-2017/08/13---Área (km2) = 27.440

NDSI-2017/10/02---Área (km2) = 26.928

NDSI-2018/05/30---Área (km2) = 29.739

NDSI-2019/07/09---Área (km2) = 27.339

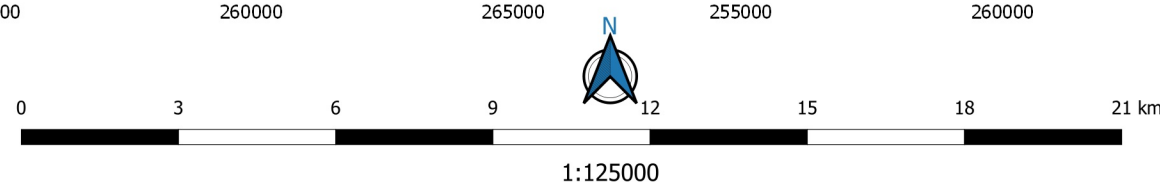
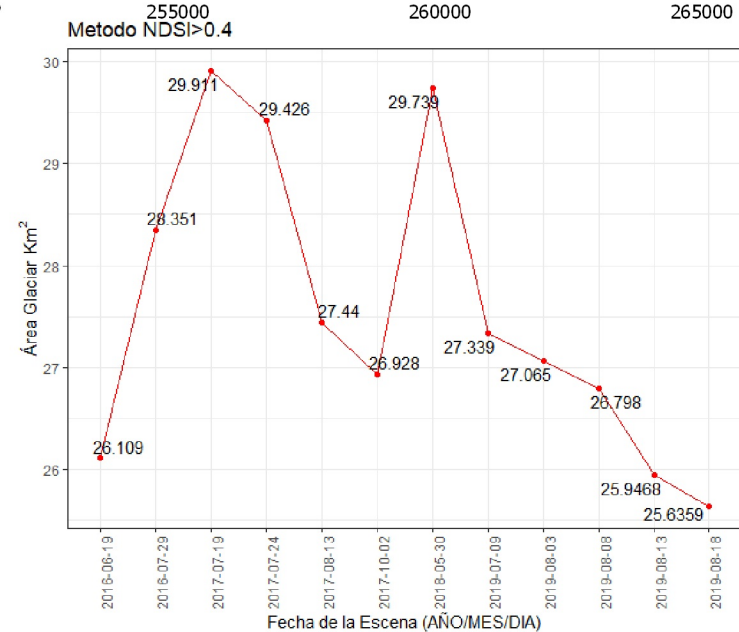
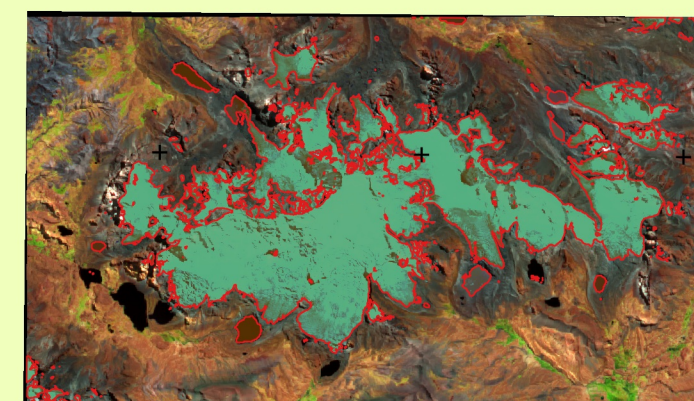
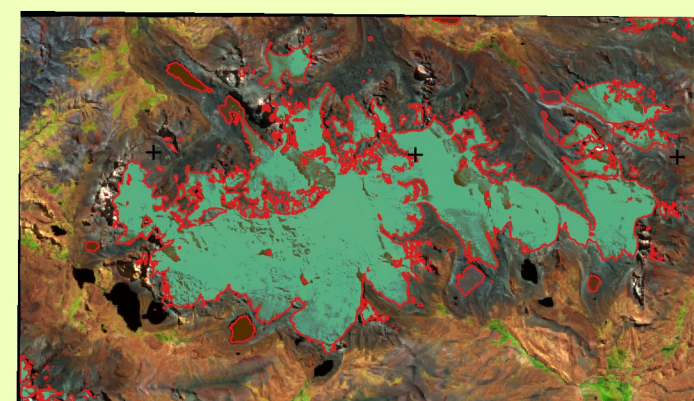
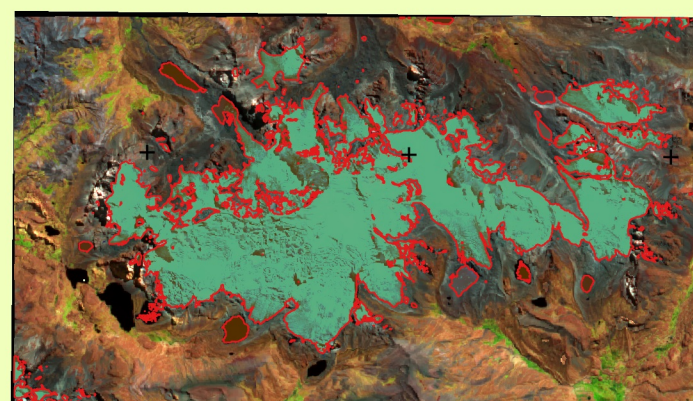
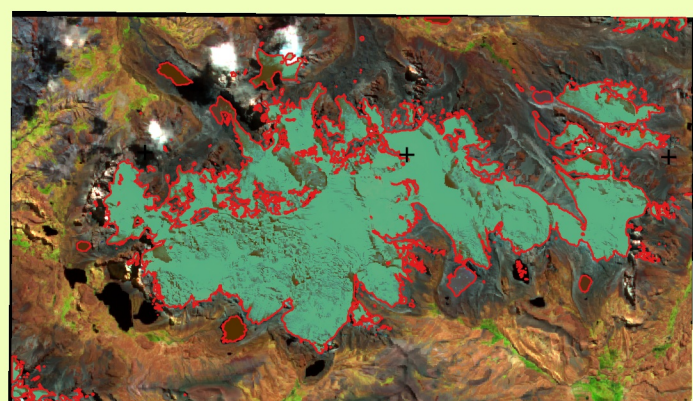


NDSI-2019/08/03---Área (km2) = 27.065

NDSI-2019/08/08---Área (km2) = 26.798

NDSI-2019/08/13---Área (km2) = 25.947

NDSI-2019/08/18---Área (km2) = 25.636



LEYENDA

Área Glaciar NDSI > 0.4 ■

Imagen Sentinel 2-RGB ■

Observación:
-Combinación de bandas
RGB = B11/B8/B4 = SWIR1/NIR/R

PRODUCTO	FECHA	AREA NDSI (km2)
S2A_MSIL1C_20160619T145732_N0204_R039_T19LBE_20160619T145846	19/06/2016	26.109
S2A_MSIL2A_20160729T145732_N0204_R039_T19LBE_20160729T145736	29/07/2016	28.351
S2B_MSIL2A_20170719T145729_N0205_R039_T19LBE_20170719T150054	19/07/2017	29.911
S2A_MSIL2A_20170724T145731_N0205_R039_T19LBE_20170724T150005	24/07/2017	29.426
S2A_MSIL2A_20170813T145731_N0205_R039_T19LBE_20170813T145912	13/08/2017	27.440
S2A_MSIL2A_20171002T150621_N0205_R039_T19LBE_20171002T150618	2/10/2017	26.928
S2A_MSIL2A_20180530T145731_N0206_R039_T19LBE_20180530T182205	30/05/2018	29.739
S2B_MSIL2A_20190709T145739_N0213_R039_T19LBE_20190709T183447	9/07/2019	27.339
S2A_MSIL2A_20190803T145731_N0213_R039_T19LBE_20190803T191158	3/08/2019	27.065
S2B_MSIL2A_20190808T145729_N0213_R039_T19LBE_20190808T200436	8/08/2019	26.798
S2A_MSIL2A_20190813T145731_N0213_R039_T19LBE_20190813T185638	13/08/2019	25.947
S2B_MSIL2A_20190818T145729_N0213_R039_T19LBE_20190818T183609	18/08/2019	25.636

UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE CIENCIAS AGRARIAS
ESCUELA PROFESIONAL DE INGENIERIA TOPOGRAFICA Y AGRIMENSURA

MAPA: Estimación de Área Metodo NDSI > 0.4

Satelite	: Sentinel 2A y 2B
Sensor	: MSI
Procesamiento	: Reflectancia en Superficie
Proyección	: UTM
Zona y Huso	: 19 L
Datum	: WGS 84
Escala	: 1/125000
Fecha de Elaboracion	: 07-11-2019
Elaborado por	: Bach. Percy Elbis Colque Caillahua
Director/Asesor	: M.Sc. Victor Manuel Espinoza Pinedo