



INFORME ANUAL N°3

Plan de Manejo Biótico

Proyecto “Modificaciones y Mejoramiento del Sistema de Pozas de Evaporación Solar en el Salar de Atacama (RCA RE-N°21/2016)”

ANEXO ÁREA DE LAGUNAS



Región de Antofagasta

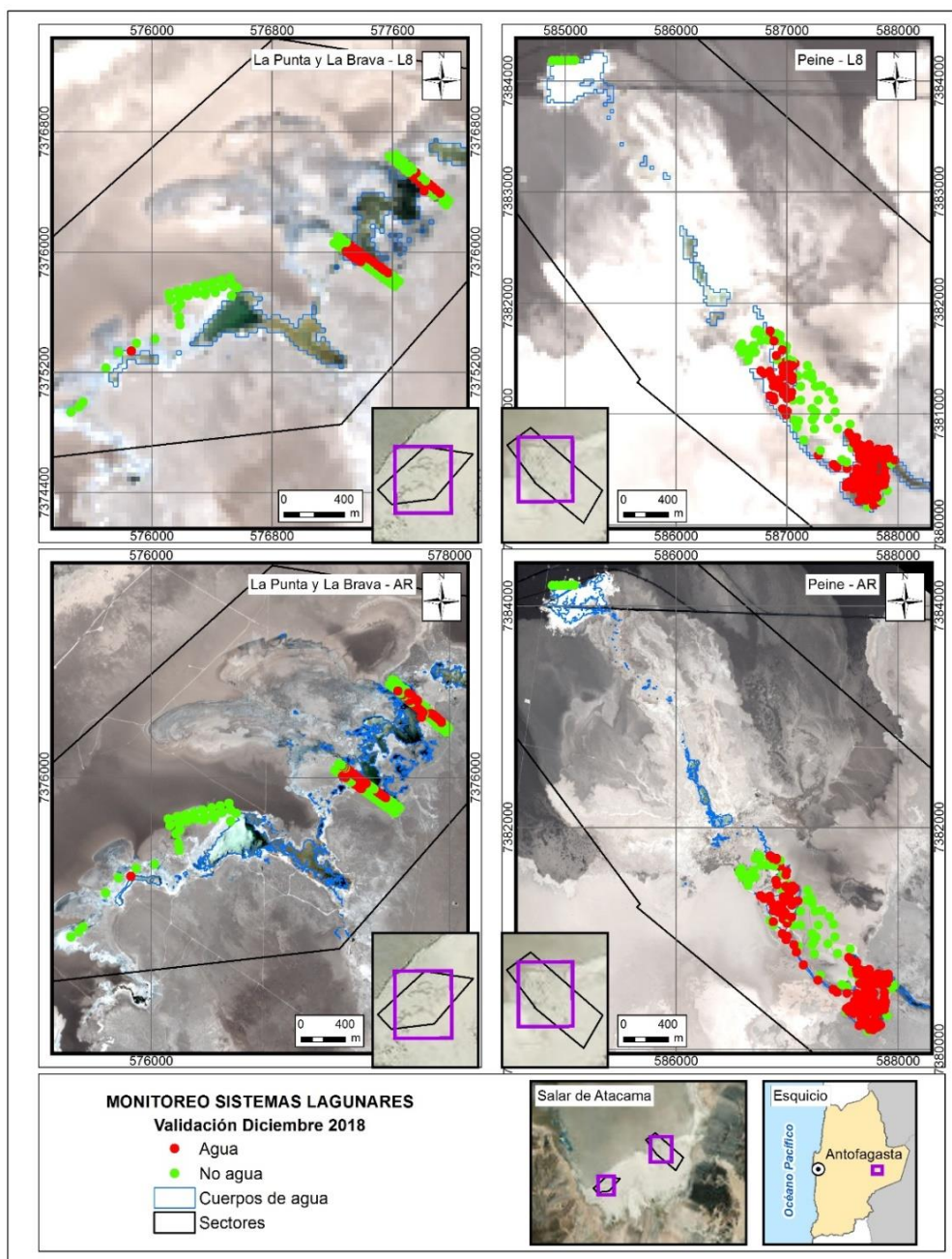
Agosto de 2019

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1 ANEXO ÁREA DE LAGUNAS

1.1 Distribución de puntos de validación en terreno para imágenes LANDSAT 8 y PLEAIDES 1-A, Sectores La Punta y Las Brava y Peine.



Fuente: Elaboración propia

1.2 Coordenadas de puntos de validación en terreno

1.2.1 Invierno 2018

1.2.1.1 Sector La Punta y La Brava – Alta resolución (Pleiades 1A)

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
	Este	Norte		
PB-001	577635	7375763	NA	NA
PB-002	577630	7375768	NA	NA
PB-003	577624	7375773	NA	NA
PB-004	577617	7375777	NA	NA
PB-005	577611	7375782	NA	NA
PB-006	577604	7375786	NA	NA
PB-007	577598	7375791	NA	NA
PB-008	577591	7375796	NA	NA
PB-009	577667	7375796	NA	NA
PB-010	577659	7375800	NA	NA
PB-011	577585	7375800	NA	NA
PB-012	577578	7375805	NA	NA
PB-013	577653	7375805	NA	NA
PB-014	577647	7375810	NA	NA
PB-015	577572	7375810	NA	NA
PB-016	577565	7375814	NA	NA
PB-017	577640	7375815	A	A
PB-018	577559	7375819	NA	NA
PB-019	577636	7375819	A	A
PB-020	577552	7375824	NA	NA
PB-021	577630	7375824	A	A
PB-022	577623	7375826	A	NA
PB-023	577546	7375828	NA	NA
PB-024	577622	7375832	NA	NA
PB-025	577539	7375833	NA	NA
PB-026	577617	7375833	A	NA
PB-027	577533	7375838	NA	NA
PB-028	577611	7375838	A	A
PB-029	577526	7375842	NA	NA
PB-030	577604	7375843	A	NA
PB-031	577520	7375847	NA	NA

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
PB-032	577598	7375848	A	NA
PB-033	577513	7375851	NA	NA
PB-034	577591	7375852	A	NA
PB-035	577507	7375856	NA	NA
PB-036	577585	7375857	A	NA
PB-037	577500	7375861	NA	NA
PB-038	577578	7375862	A	NA
PB-039	577494	7375865	NA	NA
PB-040	577572	7375867	A	A
PB-041	577487	7375870	NA	NA
PB-042	577565	7375871	A	A
PB-043	577481	7375875	NA	NA
PB-044	577559	7375876	A	A
PB-045	577474	7375879	NA	NA
PB-046	577552	7375881	A	A
PB-047	577467	7375884	NA	NA
PB-048	577546	7375885	A	A
PB-049	577461	7375889	NA	NA
PB-050	577540	7375890	A	A
PB-051	577454	7375893	NA	NA
PB-052	577533	7375895	A	A
PB-053	577448	7375898	NA	NA
PB-054	577527	7375900	A	A
PB-055	577441	7375903	NA	NA
PB-056	577520	7375904	A	A
PB-057	577435	7375907	NA	NA
PB-058	577514	7375909	A	A
PB-059	577428	7375912	NA	NA
PB-060	577507	7375914	A	A
PB-061	577422	7375917	NA	NA
PB-062	577501	7375918	A	A
PB-063	577414	7375922	NA	NA
PB-064	577494	7375923	A	A
PB-065	577410	7375925	A	A
PB-066	577488	7375928	A	NA
PB-067	577402	7375930	A	A
PB-068	577481	7375933	NA	NA
PB-069	577396	7375935	A	A

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
PB-070	577475	7375937	A	NA
PB-071	577389	7375940	A	A
PB-072	577468	7375942	A	NA
PB-073	577383	7375944	A	A
PB-074	577462	7375947	NA	NA
PB-075	577376	7375949	A	A
PB-076	577456	7375952	NA	NA
PB-077	577363	7375953	A	NA
PB-078	577370	7375954	A	A
PB-079	577449	7375956	NA	NA
PB-080	577359	7375958	NA	NA
PB-081	577443	7375961	A	A
PB-082	577355	7375962	NA	NA
PB-083	577348	7375966	A	NA
PB-084	577436	7375966	A	A
PB-085	577430	7375970	A	A
PB-086	577344	7375972	A	NA
PB-087	577423	7375975	A	A
PB-088	577337	7375977	A	A
PB-089	577417	7375980	A	A
PB-090	577331	7375982	A	NA
PB-091	577410	7375985	A	A
PB-092	577323	7375986	NA	NA
PB-093	577319	7375988	NA	NA
PB-094	577404	7375989	A	A
PB-095	577313	7375992	NA	NA
PB-096	577397	7375994	A	A
PB-097	577311	7375996	A	NA
PB-098	577391	7375999	A	A
PB-099	577305	7376000	A	A
PB-100	577385	7376004	A	A
PB-101	577298	7376005	A	A
PB-102	577378	7376008	A	A
PB-103	577290	7376009	A	NA
PB-104	577283	7376011	A	NA
PB-105	577372	7376013	A	A
PB-106	577279	7376018	A	NA
PB-107	577365	7376018	A	A

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
PB-108	577274	7376019	NA	NA
PB-109	577359	7376022	A	A
PB-110	577271	7376025	NA	NA
PB-111	577352	7376027	A	A
PB-112	577266	7376028	NA	NA
PB-113	577346	7376032	A	A
PB-114	577261	7376033	NA	NA
PB-115	577256	7376036	NA	NA
PB-116	577339	7376037	A	A
PB-117	577250	7376039	NA	NA
PB-118	577333	7376041	A	A
PB-119	577244	7376043	NA	NA
PB-120	577326	7376046	A	A
PB-121	577238	7376046	NA	NA
PB-122	577232	7376051	NA	NA
PB-123	577320	7376051	A	A
PB-124	577314	7376055	A	A
PB-125	577307	7376060	A	NA
PB-126	577301	7376065	A	NA
PB-127	577294	7376070	A	A
PB-128	577288	7376074	A	A
PB-129	577281	7376079	A	A
PB-130	577275	7376084	A	A
PB-131	577269	7376086	NA	NA
PB-132	577261	7376093	NA	NA
PB-133	577976	7376305	NA	NA
PB-134	577970	7376311	NA	NA
PB-135	577965	7376317	NA	NA
PB-136	577959	7376322	NA	NA
PB-137	577955	7376328	NA	NA
PB-138	577996	7376331	NA	NA
PB-139	577950	7376332	NA	NA
PB-140	577943	7376335	NA	NA
PB-141	577990	7376336	NA	NA
PB-142	577936	7376339	NA	NA
PB-143	577984	7376341	NA	NA
PB-144	577932	7376342	NA	NA
PB-145	577979	7376346	NA	NA

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
PB-146	577921	7376348	NA	NA
PB-147	577973	7376351	NA	NA
PB-148	577915	7376352	NA	NA
PB-149	577967	7376355	NA	NA
PB-150	577962	7376360	NA	NA
PB-151	577906	7376361	NA	NA
PB-152	577957	7376363	A	NA
PB-153	577902	7376367	NA	NA
PB-154	577947	7376369	A	A
PB-155	577898	7376373	NA	NA
PB-156	577894	7376377	NA	NA
PB-157	577943	7376378	A	A
PB-158	577889	7376382	NA	NA
PB-159	577937	7376383	A	A
PB-160	577884	7376387	NA	NA
PB-161	577931	7376388	A	A
PB-162	577879	7376390	NA	NA
PB-163	577925	7376392	NA	NA
PB-164	577873	7376395	NA	NA
PB-165	577923	7376397	NA	NA
PB-166	577867	7376399	NA	NA
PB-167	577919	7376400	A	A
PB-168	577861	7376402	NA	NA
PB-169	577913	7376404	A	A
PB-170	577856	7376406	NA	NA
PB-171	577907	7376409	A	A
PB-172	577850	7376409	NA	NA
PB-173	577845	7376413	NA	NA
PB-174	577901	7376414	A	A
PB-175	577839	7376418	NA	NA
PB-176	577895	7376419	A	A
PB-177	577835	7376424	NA	NA
PB-178	577889	7376425	A	A
PB-179	577832	7376427	A	NA
PB-180	577883	7376430	A	A
PB-181	577874	7376431	A	A
PB-182	577830	7376431	NA	NA
PB-183	577877	7376435	NA	NA

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
PB-184	577824	7376437	A	A
PB-185	577871	7376439	NA	NA
PB-186	577818	7376442	A	A
PB-187	577866	7376443	NA	NA
PB-188	577812	7376447	A	A
PB-189	577860	7376447	NA	NA
PB-190	577855	7376451	NA	NA
PB-191	577806	7376452	A	A
PB-192	577851	7376456	NA	NA
PB-193	577800	7376457	A	A
PB-194	577846	7376461	NA	NA
PB-195	577794	7376463	A	A
PB-196	577841	7376466	NA	NA
PB-197	577788	7376468	A	A
PB-198	577835	7376471	NA	NA
PB-199	577782	7376473	A	A
PB-200	577830	7376476	NA	NA
PB-201	577775	7376478	A	A
PB-202	577825	7376481	NA	NA
PB-203	577769	7376483	A	A
PB-204	577820	7376486	NA	NA
PB-205	577763	7376489	A	A
PB-206	577814	7376489	NA	NA
PB-207	577807	7376494	NA	NA
PB-208	577757	7376494	A	A
PB-209	577751	7376499	A	NA
PB-210	577801	7376499	NA	NA
PB-211	577745	7376504	A	NA
PB-212	577795	7376504	NA	NA
PB-213	577739	7376509	A	NA
PB-214	577733	7376515	A	A
PB-215	577786	7376515	A	NA
PB-216	577780	7376519	A	A
PB-217	577727	7376520	A	A
PB-218	577774	7376524	A	NA
PB-219	577721	7376525	A	A
PB-220	577768	7376529	NA	NA
PB-221	577714	7376530	NA	NA

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
PB-222	577762	7376534	A	A
PB-223	577707	7376535	NA	NA
PB-224	577756	7376540	A	A
PB-225	577702	7376540	NA	NA
PB-226	577749	7376545	A	A
PB-227	577697	7376545	NA	NA
PB-228	577694	7376548	NA	NA
PB-229	577746	7376553	A	NA
PB-230	577686	7376554	A	A
PB-231	577740	7376557	A	NA
PB-232	577680	7376560	NA	NA
PB-233	577731	7376561	NA	NA
PB-234	577736	7376562	A	A
PB-235	577674	7376564	NA	NA
PB-236	577725	7376566	A	A
PB-237	577669	7376567	A	A
PB-238	577663	7376570	A	NA
PB-239	577719	7376571	NA	NA
PB-240	577658	7376575	NA	NA
PB-241	577717	7376576	NA	NA
PB-242	577655	7376580	A	A
PB-243	577712	7376580	NA	NA
PB-244	577648	7376586	A	A
PB-245	577708	7376587	NA	NA
PB-246	577703	7376590	A	A
PB-247	577643	7376592	NA	NA
PB-248	577695	7376592	A	NA
PB-249	577690	7376594	NA	NA
PB-250	577638	7376597	NA	NA
PB-251	577684	7376598	NA	NA
PB-252	577633	7376602	NA	NA
PB-253	577679	7376603	NA	NA
PB-254	577627	7376605	NA	NA
PB-255	577674	7376608	NA	NA
PB-256	577621	7376608	NA	NA
PB-257	577615	7376611	NA	NA
PB-258	577669	7376612	NA	NA
PB-259	577610	7376616	NA	NA

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
PB-260	577664	7376617	NA	NA
PB-261	577606	7376620	NA	NA
PB-262	577659	7376622	NA	NA
PB-263	577600	7376626	NA	NA
PB-264	577655	7376627	NA	NA
PB-265	577650	7376632	NA	NA
PB-266	577644	7376638	NA	NA
PB-267	577639	7376644	NA	NA
PB-268	577633	7376647	NA	NA
PB-269	577623	7376653	NA	NA
PB-270	577617	7376656	NA	NA
PB-VC-001	575464	7374935	NA	NA
PB-VC-002	575517	7374971	NA	NA
PB-VC-003	575544	7375002	A	A
PB-VC-004	575697	7375228	A	A
PB-VC-005	575782	7375331	A	A
PB-VC-006	575864	7375339	A	A
PB-VC-007	575900	7375393	NA	NA
PB-VC-008	576022	7375421	NA	NA
PB-VC-009	576190	7375516	NA	NA
PB-VC-010	576184	7375563	A	A
PB-VC-011	576168	7375624	NA	NA
PB-VC-012	576192	7375651	NA	NA
PB-VC-013	576127	7375679	NA	NA
PB-VC-014	576185	7375694	NA	NA
PB-VC-015	576533	7375709	A	A
PB-VC-016	576243	7375709	NA	NA
PB-VC-017	576208	7375713	NA	NA
PB-VC-018	576355	7375716	NA	NA
PB-VC-019	576116	7375724	NA	NA
PB-VC-020	576301	7375724	NA	NA
PB-VC-021	576424	7375729	NA	NA
PB-VC-022	576174	7375739	A	A
PB-VC-023	576359	7375739	NA	NA
PB-VC-024	576273	7375741	NA	A
PB-VC-025	576232	7375754	A	A
PB-VC-026	576418	7375754	A	A
PB-VC-027	576571	7375761	A	A

PUNTO DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
PB-VC-028	576290	7375769	A	A
PB-VC-029	576476	7375770	A	A
PB-VC-030	576348	7375784	A	A
PB-VC-031	576534	7375785	A	A
PB-VC-032	576406	7375799	NA	NA
PB-VC-033	576464	7375814	NA	NA
PB-VC-034	576522	7375829	NA	NA
PB-VC-035	577813	7376403	A	A

1.2.1.2 Sector Peine – Alta resolución (Pleiades 1A)

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
	Este	Norte		
PE-001	587730	7380165	NA	NA
PE-002	587778	7380181	A	A
PE-003	587747	7380183	A	A
PE-004	587817	7380200	A	A
PE-005	587651	7380217	A	A
PE-006	587711	7380219	A	A
PE-007	587845	7380220	A	A
PE-008	587792	7380225	A	A
PE-009	587763	7380246	A	A
PE-010	587813	7380249	A	A
PE-011	587710	7380267	A	A
PE-012	587670	7380282	A	A
PE-013	587798	7380284	A	A
PE-014	587903	7380306	NA	NA
PE-015	587599	7380321	A	A
PE-016	587809	7380329	A	A
PE-017	587725	7380332	A	A
PE-018	587535	7380337	A	NA
PE-019	587670	7380340	A	A
PE-020	587559	7380341	A	NA
PE-021	587636	7380344	A	A
PE-022	587780	7380350	A	A
PE-023	587848	7380353	A	A
PE-024	587598	7380358	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	Este	Norte		
PE-025	587878	7380361	A	A
PE-026	587740	7380365	A	A
PE-027	587539	7380369	A	NA
PE-028	587668	7380371	A	A
PE-029	587817	7380371	A	A
PE-030	587771	7380381	A	A
PE-031	587616	7380388	A	A
PE-032	587567	7380390	A	A
PE-033	587882	7380394	A	A
PE-034	587693	7380397	A	A
PE-035	587728	7380399	A	A
PE-036	587824	7380404	A	A
PE-037	587856	7380419	A	A
PE-038	587638	7380419	A	A
PE-039	587887	7380429	A	A
PE-040	587790	7380430	A	A
PE-041	587670	7380432	A	A
PE-042	587710	7380434	A	A
PE-043	587610	7380438	A	A
PE-044	587750	7380445	A	A
PE-045	587657	7380459	A	A
PE-046	587701	7380468	A	A
PE-047	587878	7380472	A	A
PE-048	587742	7380478	A	A
PE-049	587698	7380502	A	A
PE-050	587630	7380505	A	A
PE-051	587542	7380506	A	A
PE-052	587787	7380507	A	A
PE-053	587880	7380517	A	A
PE-054	587452	7380517	A	A
PE-055	587756	7380521	A	A
PE-056	587705	7380542	A	A
PE-057	587418	7380542	A	A
PE-058	587941	7380552	NA	NA
PE-059	587538	7380562	NA	NA
PE-060	587718	7380577	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	Este	Norte		
PE-061	587770	7380577	A	A
PE-062	587973	7380581	A	NA
PE-063	587859	7380583	A	A
PE-064	587495	7380584	NA	NA
PE-065	587799	7380592	A	A
PE-066	587656	7380594	A	A
PE-067	587900	7380596	A	A
PE-068	587742	7380599	A	A
PE-069	587829	7380600	A	A
PE-070	587782	7380621	A	A
PE-071	587281	7380627	A	A
PE-072	587653	7380627	NA	NA
PE-073	587748	7380629	A	A
PE-074	587688	7380630	A	A
PE-075	587916	7380633	A	A
PE-076	587860	7380643	A	A
PE-077	587801	7380649	A	A
PE-078	587765	7380658	A	A
PE-079	587716	7380659	A	A
PE-080	587302	7380668	NA	NA
PE-081	587876	7380671	A	A
PE-082	587913	7380678	A	A
PE-083	587671	7380681	A	A
PE-084	587822	7380682	A	A
PE-085	587636	7380682	A	A
PE-086	587748	7380689	A	A
PE-087	587588	7380690	NA	NA
PE-088	587704	7380707	A	A
PE-089	587626	7380718	A	A
PE-090	587658	7380719	A	A
PE-091	587741	7380722	A	A
PE-092	587601	7380738	NA	NA
PE-093	587150	7380764	A	A
PE-094	587628	7380786	A	A
PE-095	587589	7380792	A	A
PE-096	587557	7380828	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	Este	Norte		
PE-097	587249	7380862	NA	NA
PE-098	587458	7380867	NA	NA
PE-099	587087	7380877	A	A
PE-100	587569	7380906	NA	NA
PE-101	587104	7380935	NA	NA
PE-102	587065	7380943	A	A
PE-103	587227	7380947	NA	NA
PE-104	587371	7380954	NA	NA
PE-105	587247	7380975	NA	NA
PE-106	586993	7380991	A	A
PE-107	587264	7381014	NA	NA
PE-108	587434	7381015	NA	NA
PE-109	587001	7381021	A	A
PE-110	586960	7381042	A	A
PE-111	587227	7381047	NA	NA
PE-112	587052	7381121	NA	NA
PE-113	587124	7381121	NA	NA
PE-114	587283	7381122	NA	NA
PE-115	586881	7381122	NA	NA
PE-116	587419	7381129	NA	NA
PE-117	587001	7381136	A	A
PE-118	587031	7381153	NA	NA
PE-119	586877	7381154	A	NA
PE-120	586848	7381163	NA	NA
PE-121	587014	7381167	A	NA
PE-122	586966	7381179	A	A
PE-123	587000	7381186	A	A
PE-124	587009	7381193	A	A
PE-125	587041	7381194	A	A
PE-126	587382	7381200	NA	NA
PE-127	586980	7381209	A	A
PE-128	586988	7381232	A	A
PE-129	586922	7381237	A	A
PE-130	586979	7381241	A	A
PE-131	587124	7381247	NA	NA
PE-132	587256	7381248	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	Este	Norte		
PE-133	586880	7381250	A	A
PE-134	587314	7381251	NA	NA
PE-135	586951	7381288	A	A
PE-136	586876	7381296	A	A
PE-137	587046	7381303	A	A
PE-138	586930	7381305	A	A
PE-139	587229	7381320	NA	NA
PE-140	586860	7381329	A	A
PE-141	587048	7381335	A	A
PE-142	586991	7381338	A	A
PE-143	587099	7381340	A	A
PE-144	587179	7381345	NA	NA
PE-145	586793	7381363	A	A
PE-146	587219	7381367	NA	NA
PE-147	587020	7381370	A	A
PE-148	586967	7381376	A	A
PE-149	586845	7381382	A	A
PE-150	586763	7381389	A	A
PE-151	586962	7381427	A	NA
PE-152	587051	7381433	A	A
PE-153	587185	7381434	NA	NA
PE-154	587014	7381443	A	A
PE-155	587074	7381453	A	A
PE-156	586991	7381472	A	A
PE-157	587050	7381475	A	A
PE-158	586650	7381482	NA	NA
PE-159	586913	7381488	A	A
PE-160	587018	7381491	NA	NA
PE-161	586903	7381524	A	A
PE-162	586662	7381528	NA	NA
PE-163	586595	7381553	NA	NA
PE-164	586714	7381555	NA	NA
PE-165	586993	7381573	NA	A
PE-166	586958	7381575	A	NA
PE-167	586668	7381581	NA	NA
PE-168	586604	7381584	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	S			
	Este	Norte		
PE-169	586570	7381597	NA	NA
PE-170	586994	7381609	A	A
PE-171	586699	7381614	NA	NA
PE-172	586591	7381632	NA	NA
PE-173	586936	7381654	A	A
PE-174	586884	7381657	NA	NA
PE-175	586768	7381659	NA	NA
PE-176	586829	7381661	A	NA
PE-177	586939	7381704	NA	NA
PE-178	586842	7381708	NA	NA
PE-179	586907	7381713	A	A
PE-180	586714	7381722	NA	NA
PE-181	586873	7381722	A	A
PE-182	586905	7381725	A	A
PE-183	586763	7381736	NA	NA
PE-184	586848	7381745	A	A
PE-185	586734	7381756	NA	NA
PE-VC-001	584886	7384185	NA	NA
PE-VC-002	584926	7384185	NA	NA
PE-VC-003	584966	7384185	NA	NA
PE-VC-004	585006	7384185	NA	NA
PE-VC-005	585046	7384186	NA	NA
PE-VC-006	585086	7384186	NA	NA

1.2.1.3 Sector La Punta y La Brava – Media resolución (Landsat 8)

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M4	MOD_M4
	S			
	Este	Norte		
PB-001	577616	7375771	NA	NA
PB-002	577592	7375790	NA	NA
PB-003	577648	7375804	NA	NA
PB-004	577566	7375809	NA	NA
PB-005	577621	7375823	A	NA
PB-006	577540	7375827	NA	NA
PB-007	577598	7375842	A	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M4	MOD_M4
	Este	Norte		
PB-008	577514	7375846	NA	NA
PB-009	577494	7375860	NA	NA
PB-010	577573	7375861	A	NA
PB-011	577468	7375878	NA	NA
PB-012	577547	7375879	A	NA
PB-013	577527	7375894	A	NA
PB-014	577442	7375897	NA	NA
PB-015	577502	7375912	A	A
PB-016	577416	7375915	NA	NA
PB-017	577476	7375931	NA	A
PB-018	577391	7375934	A	A
PB-019	577371	7375948	A	A
PB-020	577450	7375950	NA	A
PB-021	577344	7375961	A	A
PB-022	577424	7375969	A	A
PB-023	577319	7375985	A	A
PB-024	577398	7375988	A	A
PB-025	577292	7376004	A	A
PB-026	577372	7376007	A	A
PB-027	577264	7376019	A	A
PB-028	577347	7376026	A	A
PB-029	577243	7376041	NA	NA
PB-030	577321	7376045	A	NA
PB-031	577213	7376059	NA	NA
PB-032	577295	7376064	A	NA
PB-033	577269	7376083	A	NA
PB-034	577242	7376102	NA	NA
PB-035	577958	7376313	NA	NA
PB-036	577937	7376336	NA	NA
PB-037	577977	7376339	NA	NA
PB-038	577954	7376359	A	NA
PB-039	577883	7376375	NA	NA
PB-040	577918	7376391	A	NA
PB-041	577860	7376398	NA	NA
PB-042	577894	7376412	A	NA
PB-043	577831	7376417	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M4	MOD_M4
	Este	Norte		
PB-044	577870	7376433	A	NA
PB-045	577805	7376445	A	A
PB-046	577847	7376451	A	NA
PB-047	577781	7376466	A	A
PB-048	577822	7376474	NA	NA
PB-049	577757	7376486	A	A
PB-050	577795	7376498	NA	NA
PB-051	577733	7376507	A	A
PB-052	577761	7376527	A	A
PB-053	577708	7376528	NA	NA
PB-054	577737	7376548	A	A
PB-055	577683	7376549	A	NA
PB-056	577717	7376570	NA	NA
PB-057	577639	7376583	A	NA
PB-058	577676	7376600	NA	NA
PB-059	577615	7376610	NA	NA
PB-060	577650	7376621	NA	NA
PB-061	577582	7376634	NA	NA
PB-062	577625	7376647	NA	NA
PB-VC-001	575464	7374935	NA	NA
PB-VC-002	575517	7374971	A	NA
PB-VC-003	575544	7375002	A	NA
PB-VC-004	575697	7375228	A	NA
PB-VC-005	575782	7375331	A	A
PB-VC-006	575864	7375339	A	A
PB-VC-007	575900	7375393	A	A
PB-VC-008	576022	7375421	A	NA
PB-VC-009	576190	7375516	NA	NA
PB-VC-010	576184	7375563	A	NA
PB-VC-011	576168	7375624	NA	NA
PB-VC-012	576192	7375651	NA	NA
PB-VC-013	576127	7375679	NA	NA
PB-VC-014	576185	7375694	NA	NA
PB-VC-015	576533	7375709	A	A
PB-VC-016	576243	7375709	NA	NA
PB-VC-017	576208	7375713	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M4	MOD_M4
	Este	Norte		
PB-VC-018	576355	7375716	NA	NA
PB-VC-019	576116	7375724	NA	NA
PB-VC-020	576301	7375724	NA	NA
PB-VC-021	576424	7375729	NA	NA
PB-VC-022	576174	7375739	A	A
PB-VC-023	576359	7375739	NA	NA
PB-VC-024	576273	7375741	NA	NA
PB-VC-025	576232	7375754	A	A
PB-VC-026	576418	7375754	A	A
PB-VC-027	576571	7375761	A	A
PB-VC-028	576290	7375769	A	A
PB-VC-029	576476	7375770	A	A
PB-VC-030	576348	7375784	A	A
PB-VC-031	576534	7375785	A	A
PB-VC-032	576406	7375799	NA	NA
PB-VC-033	576464	7375814	NA	NA
PB-VC-034	576522	7375829	NA	NA
PB-VC-035	577813	7376403	A	A

1.2.1.4 Sector Peine – Media resolución (Landsat 8)

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
	Este	Norte		
PE-001	587730	7380165	NA	NA
PE-002	587778	7380181	A	A
PE-003	587817	7380200	A	A
PE-004	587651	7380216	A	A
PE-005	587847	7380217	NA	NA
PE-006	587711	7380219	A	A
PE-007	587763	7380246	A	A
PE-008	587813	7380249	A	A
PE-009	587710	7380267	A	A
PE-010	587670	7380282	A	A
PE-011	587798	7380284	A	A
PE-012	587903	7380306	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	S			
	Este	Norte		
PE-013	587599	7380321	A	A
PE-014	587809	7380329	A	A
PE-015	587725	7380332	A	A
PE-016	587535	7380337	A	A
PE-017	587670	7380340	A	A
PE-018	587636	7380344	A	A
PE-019	587780	7380350	A	A
PE-020	587848	7380353	A	A
PE-021	587598	7380358	A	A
PE-022	587878	7380361	A	A
PE-023	587740	7380365	A	A
PE-024	587539	7380369	A	A
PE-025	587668	7380371	A	A
PE-026	587817	7380371	A	A
PE-027	587771	7380381	A	A
PE-028	587616	7380388	A	A
PE-029	587567	7380390	A	A
PE-030	587882	7380394	A	A
PE-031	587693	7380397	A	A
PE-032	587728	7380399	A	A
PE-033	587824	7380404	A	A
PE-034	587856	7380419	A	A
PE-035	587638	7380419	A	A
PE-036	587887	7380429	A	A
PE-037	587790	7380430	A	A
PE-038	587710	7380434	A	A
PE-039	587610	7380438	A	A
PE-040	587750	7380445	A	A
PE-041	587657	7380459	A	A
PE-042	587701	7380468	A	A
PE-043	587878	7380472	A	A
PE-044	587742	7380478	A	A
PE-045	587698	7380502	A	A
PE-046	587630	7380505	A	A
PE-047	587542	7380506	A	A
PE-048	587787	7380507	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	Este	Norte		
PE-049	587880	7380517	A	A
PE-050	587452	7380517	A	A
PE-051	587756	7380521	A	A
PE-052	587705	7380542	A	A
PE-053	587418	7380542	A	NA
PE-054	587941	7380552	NA	NA
PE-055	587538	7380562	NA	NA
PE-056	587718	7380577	A	A
PE-057	587770	7380577	A	A
PE-058	587970	7380581	A	NA
PE-059	587859	7380583	A	A
PE-060	587495	7380584	NA	NA
PE-061	587799	7380592	A	A
PE-062	587656	7380594	A	A
PE-063	587900	7380596	A	A
PE-064	587742	7380599	A	A
PE-065	587829	7380600	A	A
PE-066	587782	7380621	A	A
PE-067	587281	7380627	A	NA
PE-068	587653	7380627	NA	A
PE-069	587748	7380629	A	A
PE-070	587688	7380630	A	A
PE-071	587916	7380633	A	A
PE-072	587860	7380643	A	A
PE-073	587801	7380649	A	A
PE-074	587765	7380658	A	A
PE-075	587716	7380659	A	A
PE-076	587302	7380668	NA	NA
PE-077	587876	7380671	A	A
PE-078	587913	7380678	A	A
PE-079	587671	7380681	A	A
PE-080	587822	7380682	A	A
PE-081	587636	7380682	A	A
PE-082	587748	7380689	A	A
PE-083	587588	7380690	NA	A
PE-084	587704	7380707	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	Este	Norte		
PE-085	587626	7380718	A	A
PE-086	587658	7380719	A	A
PE-087	587741	7380722	A	A
PE-088	587601	7380738	NA	A
PE-089	587150	7380764	A	NA
PE-090	587628	7380786	A	A
PE-091	587589	7380792	A	A
PE-092	587557	7380828	A	A
PE-093	587249	7380862	NA	NA
PE-094	587458	7380867	NA	NA
PE-095	587088	7380875	A	NA
PE-096	587569	7380906	NA	NA
PE-097	587104	7380935	NA	NA
PE-098	587067	7380944	A	NA
PE-099	587227	7380947	NA	NA
PE-100	587371	7380954	NA	NA
PE-101	587247	7380975	NA	NA
PE-102	586993	7380991	A	NA
PE-103	587264	7381014	NA	NA
PE-104	587434	7381015	NA	NA
PE-105	587001	7381021	A	NA
PE-106	586960	7381042	A	NA
PE-107	587227	7381047	NA	NA
PE-108	587052	7381121	NA	NA
PE-109	587124	7381121	NA	NA
PE-110	587283	7381122	NA	NA
PE-111	586881	7381122	NA	NA
PE-112	587419	7381129	NA	NA
PE-113	587001	7381136	A	A
PE-114	587031	7381153	NA	NA
PE-115	586877	7381154	A	NA
PE-116	586848	7381163	A	NA
PE-117	586966	7381179	A	A
PE-118	587009	7381193	A	A
PE-119	587041	7381194	A	A
PE-120	587382	7381200	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19		VALID_M5	MOD_M5
	Este	Norte		
PE-121	586980	7381209	A	A
PE-122	586922	7381237	A	A
PE-123	586979	7381241	A	A
PE-124	587124	7381247	NA	NA
PE-125	587256	7381248	NA	NA
PE-126	586880	7381250	A	A
PE-127	587314	7381251	NA	NA
PE-128	586876	7381296	A	A
PE-129	587046	7381303	A	A
PE-130	586930	7381305	A	A
PE-131	587229	7381320	NA	NA
PE-132	586860	7381329	A	A
PE-133	587048	7381335	A	A
PE-134	586991	7381338	A	A
PE-135	587099	7381340	A	NA
PE-136	587179	7381345	NA	NA
PE-137	586793	7381363	A	A
PE-138	587219	7381367	NA	NA
PE-139	587020	7381370	A	A
PE-140	586967	7381376	A	A
PE-141	586845	7381382	A	NA
PE-142	586763	7381389	A	NA
PE-143	586962	7381427	A	A
PE-144	587051	7381433	A	A
PE-145	587185	7381434	NA	NA
PE-146	587014	7381443	A	A
PE-147	587074	7381453	A	A
PE-148	586991	7381472	A	A
PE-149	587050	7381475	A	A
PE-150	586650	7381482	NA	NA
PE-151	586913	7381488	A	A
PE-152	587018	7381491	NA	NA
PE-153	586903	7381524	A	A
PE-154	586662	7381528	NA	NA
PE-155	586595	7381553	NA	NA
PE-156	586714	7381555	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M5	MOD_M5
	Este	Norte		
PE-157	586991	7381570	NA	NA
PE-158	586958	7381575	A	NA
PE-159	586668	7381581	NA	NA
PE-160	586604	7381584	NA	NA
PE-161	586570	7381597	NA	NA
PE-162	586994	7381609	A	NA
PE-163	586699	7381614	NA	NA
PE-164	586591	7381632	NA	NA
PE-165	586936	7381654	A	A
PE-166	586884	7381657	NA	A
PE-167	586768	7381659	A	A
PE-168	586829	7381661	A	A
PE-169	586939	7381704	A	A
PE-170	586842	7381708	NA	A
PE-171	586714	7381722	NA	NA
PE-172	586873	7381722	A	A
PE-173	586905	7381725	A	A
PE-174	586763	7381736	NA	A
PE-175	586848	7381745	A	A
PE-176	586734	7381756	NA	NA
PE-VC-001	584886	7384185	NA	NA
PE-VC-002	584926	7384185	NA	NA
PE-VC-003	584966	7384185	NA	NA
PE-VC-004	585006	7384185	NA	NA
PE-VC-005	585046	7384186	NA	NA
PE-VC-006	585086	7384186	NA	NA

1.2.2 Verano 2018

1.2.2.1 Sector La Punta y La Brava – Alta resolución (Pleiades 1A)

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-001	577.635	7.375.763	NA	NA
PB-002	577.630	7.375.768	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-003	577.624	7.375.773	NA	NA
PB-004	577.617	7.375.777	NA	NA
PB-005	577.611	7.375.782	NA	NA
PB-006	577.604	7.375.786	NA	NA
PB-007	577.598	7.375.791	NA	NA
PB-008	577.591	7.375.796	NA	NA
PB-009	577.667	7.375.796	NA	NA
PB-010	577.659	7.375.800	NA	NA
PB-011	577.585	7.375.800	NA	NA
PB-012	577.578	7.375.805	NA	NA
PB-013	577.653	7.375.805	NA	NA
PB-014	577.647	7.375.810	NA	NA
PB-015	577.572	7.375.810	NA	NA
PB-016	577.565	7.375.814	NA	NA
PB-018	577.559	7.375.819	NA	NA
PB-020	577.552	7.375.824	NA	NA
PB-021	577.630	7.375.824	NA	NA
PB-022	577.623	7.375.826	NA	NA
PB-023	577.546	7.375.828	NA	NA
PB-024	577.622	7.375.832	NA	NA
PB-025	577.539	7.375.833	NA	NA
PB-026	577.617	7.375.833	NA	NA
PB-027	577.533	7.375.838	NA	NA
PB-028	577.611	7.375.838	NA	NA
PB-029	577.526	7.375.842	NA	NA
PB-030	577.604	7.375.843	NA	NA
PB-031	577.520	7.375.847	NA	NA
PB-032	577.598	7.375.848	NA	NA
PB-033	577.513	7.375.851	NA	NA
PB-034	577.591	7.375.852	NA	NA
PB-035	577.507	7.375.856	NA	NA
PB-036	577.585	7.375.857	NA	NA
PB-037	577.500	7.375.861	NA	NA
PB-038	577.578	7.375.862	A	NA
PB-039	577.494	7.375.865	NA	NA
PB-041	577.487	7.375.870	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-043	577.481	7.375.875	NA	NA
PB-045	577.474	7.375.879	NA	NA
PB-047	577.467	7.375.884	NA	NA
PB-049	577.461	7.375.889	NA	NA
PB-050	577.540	7.375.890	A	A
PB-051	577.454	7.375.893	NA	NA
PB-053	577.448	7.375.898	NA	NA
PB-055	577.441	7.375.903	NA	NA
PB-057	577.435	7.375.907	NA	NA
PB-059	577.428	7.375.912	NA	NA
PB-061	577.422	7.375.917	NA	NA
PB-063	577.414	7.375.922	NA	NA
PB-066	577.488	7.375.928	NA	NA
PB-070	577.475	7.375.937	A	NA
PB-072	577.468	7.375.942	A	NA
PB-074	577.462	7.375.947	NA	NA
PB-076	577.456	7.375.952	NA	NA
PB-077	577.363	7.375.953	NA	NA
PB-079	577.449	7.375.956	NA	NA
PB-080	577.359	7.375.958	NA	NA
PB-082	577.355	7.375.962	NA	NA
PB-083	577.348	7.375.966	NA	NA
PB-090	577.331	7.375.982	NA	NA
PB-092	577.323	7.375.986	NA	NA
PB-093	577.319	7.375.988	A	NA
PB-095	577.313	7.375.992	NA	NA
PB-103	577.290	7.376.009	A	NA
PB-106	577.279	7.376.018	NA	NA
PB-108	577.274	7.376.019	NA	NA
PB-110	577.271	7.376.025	NA	NA
PB-112	577.266	7.376.028	NA	NA
PB-114	577.261	7.376.033	NA	NA
PB-115	577.256	7.376.036	NA	NA
PB-117	577.250	7.376.039	NA	NA
PB-119	577.244	7.376.043	NA	NA
PB-121	577.238	7.376.046	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-122	577.232	7.376.051	NA	NA
PB-125	577.307	7.376.060	A	A
PB-131	577.269	7.376.086	NA	NA
PB-132	577.261	7.376.093	NA	NA
PB-133	577.976	7.376.305	NA	NA
PB-134	577.970	7.376.311	NA	NA
PB-135	577.965	7.376.317	NA	NA
PB-136	577.959	7.376.322	NA	NA
PB-137	577.955	7.376.328	NA	NA
PB-138	577.996	7.376.331	NA	NA
PB-139	577.950	7.376.332	NA	NA
PB-140	577.943	7.376.335	NA	NA
PB-141	577.990	7.376.336	NA	NA
PB-142	577.936	7.376.339	NA	NA
PB-143	577.984	7.376.341	NA	NA
PB-144	577.932	7.376.342	NA	NA
PB-145	577.979	7.376.346	NA	NA
PB-146	577.921	7.376.348	NA	NA
PB-147	577.973	7.376.351	NA	NA
PB-148	577.915	7.376.352	NA	NA
PB-149	577.967	7.376.355	NA	NA
PB-150	577.962	7.376.360	NA	NA
PB-151	577.906	7.376.361	NA	NA
PB-152	577.957	7.376.363	NA	NA
PB-153	577.902	7.376.367	NA	NA
PB-155	577.898	7.376.373	NA	NA
PB-156	577.894	7.376.377	NA	NA
PB-158	577.889	7.376.382	NA	NA
PB-160	577.884	7.376.387	NA	NA
PB-161	577.931	7.376.388	A	A
PB-162	577.879	7.376.390	NA	NA
PB-163	577.925	7.376.392	A	NA
PB-164	577.873	7.376.395	NA	NA
PB-165	577.923	7.376.397	NA	NA
PB-166	577.867	7.376.399	NA	NA
PB-168	577.861	7.376.402	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-170	577.856	7.376.406	NA	NA
PB-172	577.850	7.376.409	NA	NA
PB-173	577.845	7.376.413	NA	NA
PB-175	577.839	7.376.418	NA	NA
PB-177	577.835	7.376.424	NA	NA
PB-179	577.832	7.376.427	NA	NA
PB-180	577.883	7.376.430	A	A
PB-183	577.877	7.376.435	NA	NA
PB-185	577.871	7.376.439	NA	NA
PB-187	577.866	7.376.443	NA	NA
PB-189	577.860	7.376.447	NA	NA
PB-190	577.855	7.376.451	NA	NA
PB-192	577.851	7.376.456	NA	NA
PB-194	577.846	7.376.461	NA	NA
PB-196	577.841	7.376.466	NA	NA
PB-198	577.835	7.376.471	NA	NA
PB-200	577.830	7.376.476	NA	NA
PB-202	577.825	7.376.481	NA	NA
PB-204	577.820	7.376.486	NA	NA
PB-206	577.814	7.376.489	NA	NA
PB-207	577.807	7.376.494	NA	NA
PB-210	577.801	7.376.499	NA	NA
PB-212	577.795	7.376.504	NA	NA
PB-213	577.739	7.376.509	A	NA
PB-217	577.727	7.376.520	NA	A
PB-220	577.768	7.376.529	A	NA
PB-221	577.714	7.376.530	NA	NA
PB-222	577.762	7.376.534	NA	A
PB-223	577.707	7.376.535	NA	NA
PB-224	577.756	7.376.540	NA	NA
PB-225	577.702	7.376.540	NA	NA
PB-226	577.749	7.376.545	NA	NA
PB-228	577.694	7.376.548	NA	NA
PB-229	577.746	7.376.553	NA	A
PB-231	577.740	7.376.557	NA	A
PB-232	577.680	7.376.560	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-237	577.669	7.376.567	A	A
PB-238	577.663	7.376.570	A	NA
PB-239	577.719	7.376.571	NA	NA
PB-240	577.658	7.376.575	NA	NA
PB-241	577.717	7.376.576	NA	NA
PB-243	577.712	7.376.580	NA	NA
PB-244	577.648	7.376.586	A	A
PB-245	577.708	7.376.587	NA	NA
PB-246	577.703	7.376.590	NA	NA
PB-247	577.643	7.376.592	NA	NA
PB-248	577.695	7.376.592	NA	NA
PB-249	577.690	7.376.594	NA	NA
PB-250	577.638	7.376.597	NA	NA
PB-251	577.684	7.376.598	NA	NA
PB-252	577.633	7.376.602	NA	NA
PB-253	577.679	7.376.603	NA	NA
PB-254	577.627	7.376.605	NA	NA
PB-255	577.674	7.376.608	NA	NA
PB-256	577.621	7.376.608	NA	NA
PB-257	577.615	7.376.611	NA	NA
PB-258	577.669	7.376.612	NA	NA
PB-259	577.610	7.376.616	NA	NA
PB-260	577.664	7.376.617	NA	NA
PB-261	577.606	7.376.620	NA	NA
PB-262	577.659	7.376.622	NA	NA
PB-263	577.600	7.376.626	NA	NA
PB-264	577.655	7.376.627	NA	NA
PB-265	577.650	7.376.632	NA	NA
PB-266	577.644	7.376.638	NA	NA
PB-267	577.639	7.376.644	NA	NA
PB-268	577.633	7.376.647	NA	NA
PB-269	577.623	7.376.653	NA	NA
PB-270	577.617	7.376.656	NA	NA
PB-VC-001	575.464	7.374.935	NA	NA
PB-VC-003	575.544	7.375.002	NA	NA
PB-VC-005	575.782	7.375.331	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-VC-004	575.697	7.375.228	NA	NA
PB-VC-007	575.900	7.375.393	NA	NA
PB-VC-008	576.022	7.375.421	NA	NA
PB-VC-009	576.190	7.375.516	NA	NA
PB-VC-010	576.184	7.375.563	NA	NA
PB-VC-011	576.168	7.375.624	NA	NA
PB-VC-012	576.192	7.375.651	NA	NA
PB-VC-017	576.208	7.375.713	NA	NA
PB-VC-024	576.273	7.375.741	NA	NA
PB-VC-018	576.355	7.375.716	NA	NA
PB-VC-021	576.424	7.375.729	NA	NA
PB-VC-015	576.533	7.375.709	NA	NA
PB-VC-027	576.571	7.375.761	NA	NA
PB-VC-013	576.127	7.375.679	NA	NA
PB-VC-014	576.185	7.375.694	NA	NA
PB-VC-016	576.243	7.375.709	NA	NA
PB-VC-020	576.301	7.375.724	NA	NA
PB-VC-023	576.359	7.375.739	NA	NA
PB-VC-026	576.418	7.375.754	NA	NA
PB-VC-029	576.476	7.375.770	NA	NA
PB-VC-031	576.534	7.375.785	NA	NA
PB-VC-019	576.116	7.375.724	NA	NA
PB-VC-022	576.174	7.375.739	NA	NA
PB-VC-025	576.232	7.375.754	NA	NA
PB-VC-028	576.290	7.375.769	NA	NA
PB-VC-032	576.406	7.375.799	NA	NA
PB-VC-033	576.464	7.375.814	NA	NA
PB-VC-034	576.522	7.375.829	NA	NA
PB-017	577.640	7.375.815	NA	NA
PB-019	577.636	7.375.819	NA	NA
PB-040	577.572	7.375.867	A	A
PB-042	577.565	7.375.871	A	A
PB-044	577.559	7.375.876	A	A
PB-046	577.552	7.375.881	A	A
PB-048	577.546	7.375.885	A	A
PB-052	577.533	7.375.895	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-054	577.527	7.375.900	A	A
PB-056	577.520	7.375.904	A	A
PB-058	577.514	7.375.909	A	A
PB-060	577.507	7.375.914	A	A
PB-062	577.501	7.375.918	A	A
PB-064	577.494	7.375.923	A	NA
PB-065	577.410	7.375.925	A	A
PB-067	577.402	7.375.930	A	A
PB-068	577.481	7.375.933	NA	NA
PB-069	577.396	7.375.935	A	A
PB-071	577.389	7.375.940	A	A
PB-073	577.383	7.375.944	A	A
PB-075	577.376	7.375.949	A	A
PB-078	577.370	7.375.954	A	A
PB-081	577.443	7.375.961	A	A
PB-084	577.436	7.375.966	A	A
PB-085	577.430	7.375.970	A	A
PB-086	577.344	7.375.972	NA	NA
PB-087	577.423	7.375.975	A	A
PB-088	577.337	7.375.977	NA	NA
PB-089	577.417	7.375.980	A	A
PB-091	577.410	7.375.985	A	A
PB-094	577.404	7.375.989	A	A
PB-096	577.397	7.375.994	A	A
PB-097	577.311	7.375.996	A	NA
PB-098	577.391	7.375.999	A	A
PB-099	577.305	7.376.000	A	A
PB-100	577.385	7.376.004	A	A
PB-101	577.298	7.376.005	A	A
PB-102	577.378	7.376.008	A	A
PB-104	577.283	7.376.011	NA	A
PB-105	577.372	7.376.013	A	A
PB-107	577.365	7.376.018	A	A
PB-109	577.359	7.376.022	A	A
PB-111	577.352	7.376.027	A	A
PB-113	577.346	7.376.032	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-116	577.339	7.376.037	A	A
PB-118	577.333	7.376.041	A	A
PB-120	577.326	7.376.046	A	A
PB-123	577.320	7.376.051	A	A
PB-124	577.314	7.376.055	A	A
PB-126	577.301	7.376.065	NA	NA
PB-127	577.294	7.376.070	A	A
PB-128	577.288	7.376.074	NA	NA
PB-129	577.281	7.376.079	A	A
PB-130	577.275	7.376.084	NA	NA
PB-154	577.947	7.376.369	NA	A
PB-157	577.943	7.376.378	A	A
PB-159	577.937	7.376.383	A	A
PB-167	577.919	7.376.400	A	A
PB-169	577.913	7.376.404	A	A
PB-171	577.907	7.376.409	A	A
PB-174	577.901	7.376.414	A	A
PB-176	577.895	7.376.419	A	A
PB-178	577.889	7.376.425	A	A
PB-181	577.874	7.376.431	A	A
PB-182	577.830	7.376.431	A	NA
PB-184	577.824	7.376.437	A	A
PB-186	577.818	7.376.442	A	A
PB-188	577.812	7.376.447	A	A
PB-191	577.806	7.376.452	A	A
PB-193	577.800	7.376.457	A	A
PB-195	577.794	7.376.463	A	A
PB-197	577.788	7.376.468	A	A
PB-199	577.782	7.376.473	A	A
PB-201	577.775	7.376.478	A	A
PB-203	577.769	7.376.483	A	A
PB-205	577.763	7.376.489	A	A
PB-208	577.757	7.376.494	A	A
PB-209	577.751	7.376.499	A	A
PB-211	577.745	7.376.504	A	NA
PB-214	577.733	7.376.515	NA	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-215	577.786	7.376.515	NA	A
PB-216	577.780	7.376.519	A	A
PB-218	577.774	7.376.524	A	A
PB-219	577.721	7.376.525	A	A
PB-227	577.697	7.376.545	NA	NA
PB-230	577.686	7.376.554	A	A
PB-233	577.731	7.376.561	NA	NA
PB-234	577.736	7.376.562	NA	A
PB-235	577.674	7.376.564	NA	NA
PB-236	577.725	7.376.566	A	A
PB-242	577.655	7.376.580	A	A
PB-VC-002	575.517	7.374.971	NA	NA
PB-VC-006	575.864	7.375.339	A	A
PB-VC-035	577.813	7.376.403	A	A
PB-VC-030	576.348	7.375.784	NA	NA

1.2.2.2 Sector Peine – Alta resolución (Pleiades 1A)

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-001	587730	7380165	NA	NA
PE-014	587903	7380306	NA	NA
PE-018	587535	7380337	A	NA
PE-020	587559	7380341	A	A
PE-058	587941	7380552	NA	NA
PE-059	587538	7380562	NA	NA
PE-064	587495	7380584	NA	NA
PE-072	587653	7380627	NA	NA
PE-080	587302	7380668	NA	NA
PE-087	587588	7380690	NA	NA
PE-092	587601	7380738	NA	NA
PE-097	587249	7380862	NA	NA
PE-098	587458	7380867	NA	NA
PE-100	587569	7380906	NA	NA
PE-101	587104	7380935	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-103	587227	7380947	NA	NA
PE-104	587371	7380954	NA	NA
PE-105	587247	7380975	NA	NA
PE-107	587264	7381014	NA	NA
PE-108	587434	7381015	NA	NA
PE-111	587227	7381047	NA	NA
PE-112	587052	7381121	NA	NA
PE-113	587124	7381121	NA	NA
PE-114	587283	7381122	NA	NA
PE-115	586881	7381122	NA	NA
PE-116	587419	7381129	NA	NA
PE-118	587031	7381153	A	NA
PE-120	586848	7381163	A	NA
PE-121	587014	7381167	A	NA
PE-123	587000	7381186	A	NA
PE-126	587382	7381200	NA	NA
PE-131	587124	7381247	NA	NA
PE-132	587256	7381248	NA	NA
PE-134	587314	7381251	NA	NA
PE-139	587229	7381320	NA	NA
PE-144	587179	7381345	NA	NA
PE-146	587219	7381367	NA	NA
PE-151	586962	7381427	A	NA
PE-153	587185	7381434	NA	NA
PE-158	586650	7381482	NA	NA
PE-160	587018	7381491	NA	NA
PE-162	586662	7381528	NA	NA
PE-163	586595	7381553	NA	NA
PE-164	586714	7381555	NA	NA
PE-166	586958	7381575	A	NA
PE-167	586668	7381581	NA	NA
PE-168	586604	7381584	NA	NA
PE-169	586570	7381597	NA	NA
PE-171	586699	7381614	NA	NA
PE-172	586591	7381632	NA	NA
PE-173	586936	7381654	NA	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-174	586884	7381657	NA	NA
PE-175	586768	7381659	NA	NA
PE-176	586829	7381661	A	NA
PE-178	586842	7381708	NA	NA
PE-180	586714	7381722	NA	NA
PE-183	586763	7381736	NA	NA
PE-185	586734	7381756	NA	NA
PE-VC-001	584886	7384185	NA	NA
PE-002	587778	7380181	A	A
PE-003	587747	7380183	NA	A
PE-004	587817	7380200	A	A
PE-005	587651	7380217	NA	A
PE-006	587711	7380219	A	A
PE-007	587845	7380220	NA	A
PE-008	587792	7380225	A	A
PE-009	587763	7380246	A	A
PE-010	587813	7380249	A	A
PE-011	587710	7380267	A	A
PE-012	587670	7380282	A	A
PE-013	587798	7380284	A	A
PE-015	587599	7380321	A	A
PE-016	587809	7380329	A	A
PE-017	587725	7380332	A	A
PE-019	587670	7380340	A	A
PE-021	587636	7380344	A	A
PE-022	587780	7380350	A	A
PE-023	587848	7380353	A	A
PE-024	587598	7380358	A	A
PE-025	587878	7380361	A	A
PE-026	587740	7380365	A	A
PE-027	587539	7380369	A	A
PE-028	587668	7380371	A	A
PE-029	587817	7380371	A	A
PE-030	587771	7380381	A	A
PE-031	587616	7380388	A	A
PE-032	587567	7380390	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-033	587882	7380394	A	A
PE-034	587693	7380397	A	A
PE-035	587728	7380399	A	A
PE-036	587824	7380404	A	A
PE-037	587856	7380419	A	A
PE-038	587638	7380419	A	A
PE-039	587887	7380429	A	A
PE-040	587790	7380430	A	A
PE-041	587670	7380432	A	A
PE-042	587710	7380434	A	A
PE-043	587610	7380438	A	A
PE-044	587750	7380445	A	A
PE-045	587657	7380459	A	A
PE-046	587701	7380468	A	A
PE-047	587878	7380472	A	A
PE-048	587742	7380478	A	A
PE-049	587698	7380502	A	A
PE-050	587630	7380505	A	A
PE-051	587542	7380506	A	A
PE-052	587787	7380507	A	A
PE-053	587880	7380517	A	A
PE-054	587452	7380517	A	A
PE-055	587756	7380521	A	A
PE-056	587705	7380542	A	A
PE-057	587418	7380542	A	A
PE-060	587718	7380577	A	A
PE-061	587770	7380577	A	A
PE-062	587973	7380581	A	NA
PE-063	587859	7380583	A	A
PE-065	587799	7380592	A	A
PE-066	587656	7380594	NA	A
PE-067	587900	7380596	A	A
PE-068	587742	7380599	A	A
PE-069	587829	7380600	A	A
PE-070	587782	7380621	A	A
PE-071	587281	7380627	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-073	587748	7380629	A	A
PE-074	587688	7380630	A	A
PE-075	587916	7380633	A	A
PE-076	587860	7380643	A	A
PE-077	587801	7380649	A	A
PE-078	587765	7380658	A	A
PE-079	587716	7380659	A	A
PE-081	587876	7380671	A	A
PE-082	587913	7380678	A	A
PE-083	587671	7380681	A	A
PE-084	587822	7380682	A	A
PE-085	587636	7380682	A	A
PE-086	587748	7380689	A	A
PE-088	587704	7380707	A	A
PE-089	587626	7380718	A	A
PE-090	587658	7380719	A	A
PE-091	587741	7380722	A	A
PE-093	587150	7380764	A	A
PE-094	587628	7380786	A	A
PE-095	587589	7380792	A	A
PE-096	587557	7380828	A	A
PE-099	587087	7380877	A	A
PE-102	587065	7380943	A	A
PE-106	586993	7380991	A	A
PE-109	587001	7381021	A	A
PE-110	586960	7381042	A	A
PE-117	587001	7381136	A	A
PE-119	586877	7381154	A	A
PE-122	586966	7381179	A	A
PE-124	587009	7381193	A	NA
PE-125	587041	7381194	A	A
PE-127	586980	7381209	A	A
PE-128	586988	7381232	A	A
PE-129	586922	7381237	A	A
PE-130	586979	7381241	A	A
PE-133	586880	7381250	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-135	586951	7381288	A	A
PE-136	586876	7381296	A	A
PE-137	587046	7381303	A	A
PE-138	586930	7381305	A	A
PE-140	586860	7381329	A	A
PE-141	587048	7381335	A	A
PE-142	586991	7381338	A	A
PE-143	587099	7381340	NA	A
PE-145	586793	7381363	A	A
PE-147	587020	7381370	A	A
PE-148	586967	7381376	A	A
PE-149	586845	7381382	A	A
PE-150	586763	7381389	A	A
PE-152	587051	7381433	A	A
PE-154	587014	7381443	A	A
PE-155	587074	7381453	A	A
PE-156	586991	7381472	A	A
PE-157	587050	7381475	A	A
PE-159	586913	7381488	A	A
PE-161	586903	7381524	A	A
PE-165	586993	7381573	NA	A
PE-170	586994	7381609	A	A
PE-177	586939	7381704	NA	NA
PE-179	586907	7381713	A	A
PE-181	586873	7381722	A	A
PE-182	586905	7381725	A	A
PE-184	586848	7381745	A	A
PE-VC-002	584926	7384185	NA	NA
PE-VC-003	584966	7384185	NA	NA
PE-VC-004	585006	7384185	NA	NA
PE-VC-005	585046	7384186	NA	NA
PE-VC-006	585086	7384186	NA	NA

1.2.2.3 Sector La Punta y La Brava – Media resolución (Landsat 8)

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-001	577616	7375771	NA	NA
PB-002	577592	7375790	NA	NA
PB-003	577648	7375804	NA	NA
PB-004	577566	7375809	NA	NA
PB-005	577621	7375823	NA	NA
PB-006	577540	7375827	NA	NA
PB-007	577598	7375842	NA	NA
PB-008	577514	7375846	NA	NA
PB-009	577494	7375860	NA	NA
PB-010	577573	7375861	A	A
PB-011	577468	7375878	NA	NA
PB-014	577442	7375897	NA	NA
PB-016	577416	7375915	NA	NA
PB-027	577264	7376019	NA	NA
PB-028	577347	7376026	A	A
PB-029	577243	7376041	NA	NA
PB-030	577321	7376045	A	A
PB-031	577213	7376059	NA	NA
PB-032	577295	7376064	NA	NA
PB-033	577269	7376083	NA	NA
PB-034	577242	7376102	NA	NA
PB-035	577958	7376313	NA	NA
PB-036	577937	7376336	NA	NA
PB-037	577977	7376339	NA	NA
PB-038	577954	7376359	NA	NA
PB-039	577883	7376375	NA	NA
PB-040	577918	7376391	A	A
PB-041	577860	7376398	NA	NA
PB-042	577894	7376412	A	A
PB-043	577831	7376417	NA	NA
PB-044	577870	7376433	A	A
PB-045	577805	7376445	A	A
PB-046	577847	7376451	A	A
PB-047	577781	7376466	A	A
PB-048	577822	7376474	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-049	577757	7376486	A	A
PB-050	577795	7376498	NA	NA
PB-051	577733	7376507	A	A
PB-052	577761	7376527	A	A
PB-053	577708	7376528	NA	NA
PB-054	577737	7376548	NA	NA
PB-055	577683	7376549	A	NA
PB-056	577717	7376570	NA	NA
PB-057	577639	7376583	A	NA
PB-058	577676	7376600	NA	NA
PB-059	577615	7376610	NA	NA
PB-060	577650	7376621	NA	NA
PB-061	577582	7376634	NA	NA
PB-062	577625	7376647	NA	NA
PB-VC-001	575464	7374935	NA	NA
PB-VC-002	575517	7374971	NA	NA
PB-VC-003	575544	7375002	NA	NA
PB-VC-005	575782	7375331	NA	NA
PB-VC-004	575697	7375228	NA	NA
PB-VC-007	575900	7375393	NA	NA
PB-VC-008	576022	7375421	NA	NA
PB-VC-009	576190	7375516	NA	NA
PB-VC-010	576184	7375563	NA	NA
PB-VC-011	576168	7375624	NA	NA
PB-VC-012	576192	7375651	NA	NA
PB-VC-017	576208	7375713	NA	NA
PB-VC-024	576273	7375741	NA	NA
PB-VC-018	576355	7375716	NA	NA
PB-VC-021	576424	7375729	NA	NA
PB-VC-015	576533	7375709	NA	NA
PB-VC-035	577813	7376403	A	A
PB-VC-013	576127	7375679	NA	NA
PB-VC-014	576185	7375694	NA	NA
PB-VC-016	576243	7375709	NA	NA
PB-VC-020	576301	7375724	NA	NA
PB-VC-023	576359	7375739	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PB-VC-026	576418	7375754	NA	NA
PB-VC-029	576476	7375770	NA	NA
PB-VC-031	576534	7375785	NA	NA
PB-VC-019	576116	7375724	NA	NA
PB-VC-022	576174	7375739	NA	NA
PB-VC-025	576232	7375754	NA	NA
PB-VC-028	576290	7375769	NA	NA
PB-VC-030	576348	7375784	NA	NA
PB-VC-032	576406	7375799	NA	NA
PB-VC-033	576464	7375814	NA	NA
PB-VC-034	576522	7375829	NA	NA
PB-012	577547	7375879	A	A
PB-013	577527	7375894	A	A
PB-015	577502	7375912	A	A
PB-017	577476	7375931	NA	A
PB-018	577391	7375934	A	A
PB-019	577371	7375948	A	A
PB-020	577450	7375950	NA	A
PB-021	577344	7375961	NA	A
PB-022	577424	7375969	A	A
PB-023	577319	7375985	NA	A
PB-024	577398	7375988	A	A
PB-025	577292	7376004	A	A
PB-026	577372	7376007	A	A
PB-VC-006	575864	7375339	A	A
PB-VC-027	576571	7375761	NA	NA

1.2.2.4 Sector Peine – Media resolución (Landsat 8)

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-012	587903	7380306	NA	NA
PE-029	587567	7380390	A	A
PE-047	587542	7380506	A	A
PE-050	587452	7380517	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-053	587418	7380542	A	A
PE-055	587538	7380562	NA	NA
PE-060	587495	7380584	NA	NA
PE-067	587281	7380627	A	A
PE-076	587302	7380668	NA	NA
PE-080	587822	7380682	A	A
PE-082	587748	7380689	A	A
PE-083	587588	7380690	NA	NA
PE-086	587658	7380719	A	A
PE-087	587741	7380722	A	A
PE-089	587150	7380764	A	NA
PE-090	587628	7380786	A	A
PE-092	587557	7380828	A	A
PE-093	587249	7380862	NA	NA
PE-094	587458	7380867	NA	NA
PE-095	587088	7380875	A	NA
PE-096	587569	7380906	NA	NA
PE-097	587104	7380935	NA	NA
PE-098	587067	7380944	A	NA
PE-099	587227	7380947	NA	NA
PE-100	587371	7380954	NA	NA
PE-101	587247	7380975	NA	NA
PE-103	587264	7381014	NA	NA
PE-104	587434	7381015	NA	NA
PE-105	587001	7381021	A	A
PE-107	587227	7381047	NA	NA
PE-108	587052	7381121	NA	NA
PE-109	587124	7381121	NA	NA
PE-110	587283	7381122	NA	NA
PE-112	587419	7381129	NA	NA
PE-113	587001	7381136	A	A
PE-114	587031	7381153	A	A
PE-118	587009	7381193	A	A
PE-120	587382	7381200	NA	NA
PE-121	586980	7381209	A	A
PE-123	586979	7381241	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-124	587124	7381247	NA	NA
PE-125	587256	7381248	NA	NA
PE-127	587314	7381251	NA	NA
PE-131	587229	7381320	NA	NA
PE-135	587099	7381340	NA	NA
PE-136	587179	7381345	NA	NA
PE-137	586793	7381363	A	A
PE-138	587219	7381367	NA	NA
PE-141	586845	7381382	A	A
PE-142	586763	7381389	A	A
PE-145	587185	7381434	NA	NA
PE-147	587074	7381453	A	A
PE-148	586991	7381472	A	A
PE-149	587050	7381475	A	NA
PE-150	586650	7381482	NA	NA
PE-151	586913	7381488	A	NA
PE-152	587018	7381491	NA	NA
PE-154	586662	7381528	NA	NA
PE-155	586595	7381553	NA	NA
PE-156	586714	7381555	NA	NA
PE-157	586991	7381570	NA	NA
PE-159	586668	7381581	NA	NA
PE-160	586604	7381584	NA	NA
PE-161	586570	7381597	NA	NA
PE-162	586994	7381609	A	NA
PE-163	586699	7381614	NA	NA
PE-164	586591	7381632	NA	NA
PE-165	586936	7381654	NA	NA
PE-167	586768	7381659	NA	NA
PE-168	586829	7381661	A	NA
PE-169	586939	7381704	NA	NA
PE-170	586842	7381708	NA	NA
PE-171	586714	7381722	NA	NA
PE-172	586873	7381722	A	A
PE-173	586905	7381725	A	NA
PE-174	586763	7381736	NA	NA

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-175	586848	7381745	A	A
PE-176	586734	7381756	NA	NA
PE-VC-001	584886	7384185	NA	NA
PE-VC-002	584926	7384185	NA	NA
PE-VC-003	584966	7384185	NA	NA
PE-VC-004	585006	7384185	NA	NA
PE-VC-005	585046	7384186	NA	NA
PE-VC-006	585086	7384186	NA	NA
PE-001	587730	7380165	NA	NA
PE-002	587778	7380181	A	A
PE-003	587817	7380200	A	A
PE-004	587651	7380216	NA	A
PE-005	587847	7380217	NA	NA
PE-006	587711	7380219	A	A
PE-007	587763	7380246	A	A
PE-008	587813	7380249	A	A
PE-009	587710	7380267	A	A
PE-010	587670	7380282	A	A
PE-011	587798	7380284	A	A
PE-013	587599	7380321	A	A
PE-014	587809	7380329	A	A
PE-015	587725	7380332	A	A
PE-016	587535	7380337	A	A
PE-017	587670	7380340	A	A
PE-018	587636	7380344	A	A
PE-019	587780	7380350	A	A
PE-020	587848	7380353	A	A
PE-021	587598	7380358	A	A
PE-022	587878	7380361	A	A
PE-023	587740	7380365	A	A
PE-024	587539	7380369	A	A
PE-025	587668	7380371	A	A
PE-026	587817	7380371	A	A
PE-027	587771	7380381	A	A
PE-028	587616	7380388	A	A
PE-030	587882	7380394	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-031	587693	7380397	A	A
PE-032	587728	7380399	A	A
PE-033	587824	7380404	A	A
PE-034	587856	7380419	A	A
PE-035	587638	7380419	A	A
PE-036	587887	7380429	A	A
PE-037	587790	7380430	A	A
PE-038	587710	7380434	A	A
PE-039	587610	7380438	A	A
PE-040	587750	7380445	A	A
PE-041	587657	7380459	A	A
PE-042	587701	7380468	A	A
PE-043	587878	7380472	A	A
PE-044	587742	7380478	A	A
PE-045	587698	7380502	A	A
PE-046	587630	7380505	A	A
PE-048	587787	7380507	A	A
PE-049	587880	7380517	A	A
PE-051	587756	7380521	A	A
PE-052	587705	7380542	A	A
PE-054	587941	7380552	NA	NA
PE-056	587718	7380577	A	A
PE-057	587770	7380577	A	A
PE-058	587970	7380581	A	A
PE-059	587859	7380583	A	A
PE-061	587799	7380592	A	A
PE-062	587656	7380594	NA	A
PE-063	587900	7380596	A	A
PE-064	587742	7380599	A	A
PE-065	587829	7380600	A	A
PE-066	587782	7380621	A	A
PE-068	587653	7380627	NA	A
PE-069	587748	7380629	A	A
PE-070	587688	7380630	A	A
PE-071	587916	7380633	A	A
PE-072	587860	7380643	A	A

PUNTOS DE MONITOREO	COORDENADAS DATUM WGS 84, HUSO 19 S		VALID_M6	MOD_M6
	Este	Norte		
PE-073	587801	7380649	A	A
PE-074	587765	7380658	A	A
PE-075	587716	7380659	A	A
PE-077	587876	7380671	A	A
PE-078	587913	7380678	A	A
PE-079	587671	7380681	A	A
PE-081	587636	7380682	A	A
PE-084	587704	7380707	A	A
PE-085	587626	7380718	A	A
PE-088	587601	7380738	NA	A
PE-091	587589	7380792	A	A
PE-102	586993	7380991	A	A
PE-106	586960	7381042	A	A
PE-111	586881	7381122	NA	A
PE-115	586877	7381154	A	A
PE-116	586848	7381163	A	A
PE-117	586966	7381179	A	A
PE-119	587041	7381194	A	A
PE-122	586922	7381237	A	A
PE-126	586880	7381250	A	A
PE-128	586876	7381296	A	A
PE-129	587046	7381303	A	A
PE-130	586930	7381305	A	A
PE-132	586860	7381329	A	A
PE-133	587048	7381335	A	A
PE-134	586991	7381338	A	A
PE-139	587020	7381370	A	A
PE-140	586967	7381376	A	A
PE-143	586962	7381427	A	A
PE-144	587051	7381433	A	A
PE-146	587014	7381443	A	A
PE-153	586903	7381524	A	A
PE-158	586958	7381575	A	A
PE-166	586884	7381657	NA	A

1.3 Cuadro comparativo de diferencias implementadas en el estudio actual respecto a la línea de base (Adenda 5 RWL, 2015).

MATERIALES Y MÉTODOS CON MODIFICACIÓN	LÍNEA DE BASE (Adenda 5 RWL, 2015)	MONITOREO FASE DE OPERACIÓN (CEDREM Consultores)	DESCRIPCIÓN DE MODIFICACIÓN APLICADA
1. Imágenes satelitales de alta resolución	Worldview 2, Geoeyes 1 y Quickbird 2.	Pleiades 1A	Cambio efectuado con el fin de acortar -a una semana- el plazo de captura de las imágenes (para toda el área de estudio) y de tal forma que coincidieran con las fechas de validación en terreno. Cabe destacar que son mínimas las diferencias de resolución -espectral y espacial-, entre estas imágenes; por lo mismo conducen a poca variación en los análisis realizados.
2. Validación en terreno	No especificado	Índice <i>Kappa</i> en base a diseño de muestreo estadístico aleatorio – estratificado, por sistema lagunar.	Contribuye a realizar una evaluación numérica de la certidumbre en el modelo y, por ende, conocer la bondad de ajuste en las coberturas obtenidas.
3. Procesamiento de imágenes satelitales – Corrección atmosférica	IARR (por su sigla inglés, promedio interno de reflectancia relativa).	Proceso de remoción del error atmosférico proporcionado por el modelo de <i>Airbus</i> ~ ATCOR (por su sigla en inglés, Atmospheric & Topographic Correction)	Este modelo propende la remoción del efecto atmosférico, mientras que IARR lo estandariza sobre la imagen. Por lo mismo, genera una respuesta espectral – corregida- más clara en los objetos de clasificación. La corrección utilizada (con mejor efecto de remoción del error atmosférico), conllevó a que tanto los parámetros espectrales, como el modelo de clasificación, fueran más sensibles a la detección de cuerpos de agua.
4. Parámetros espectrales del modelo de clasificación	<ul style="list-style-type: none"> • NDWI, • Reflectancia NIR y • Reclasificación de bandas espectrales. 	<ul style="list-style-type: none"> • NDWI, • Reflectancia NIR, • Reclasificación de bandas espectrales (en Pleiades 1A), • NDVI, • Transformada <i>Tasseled Cap</i> "Wetness" (en Landsat 8) 	Esta modificación, se realizó con el fin de robustecer el modelo ya desarrollado y en consideración que los suelos salinos afectan la reflectancia del suelo y puede conducir a errores significativos durante interpretaciones espectrales. En el modelo de clasificación, la incorporación de más parámetros espectrales, condujo principalmente a una mayor sensibilidad en la detección de cuerpos de agua.

MATERIALES Y MÉTODOS CON MODIFICACIÓN	LÍNEA DE BASE (Adenda 5 RWL, 2015)	MONITOREO FASE DE OPERACIÓN (CEDREM Consultores)	DESCRIPCIÓN DE MODIFICACIÓN APLICADA
5. Umbrales de clasificación	Clasificación asistida (procedimiento no especificado)	Mejor respuesta entre métodos de clasificación de datos por cuantiles, intervalos equivalentes y quiebres naturales. Además, clasificación asistida en base al patrón de coberturas de línea de base.	Esta modificación, se basó en establecer <i>métricas estadísticas</i> que podrán ser replicables en los monitoreos posteriores, más allá del valor número del umbral, el cual puede estar sujeto a variaciones multitemporales y entre imágenes satelitales.
6. Regla de clasificación de pixeles en cuerpo de agua	Cumplía con los umbrales de corte de los tres parámetros espectrales de clasificación.	Cumplía con los umbrales de corte en tres de los cuatro parámetros espectrales de clasificación.	Esta modificación, se realizó con el fin de robustecer el modelo ya desarrollado y en consideración de evitar errores significativos durante interpretaciones espectrales. Por lo mismo, se clasificaron en cuerpos de agua a los pixeles que tuvieran una alta probabilidad de pertenecer a este tipo de recubrimiento.
7. Fechas de medición	Durante invierno altioplánico: Enero- abril.	Durante Invierno y Verano ~ Agosto y Diciembre del 2016 al 2018	Corresponde con lo establecido por el Plan de Manejo Biótico. Esta modificación, influye sobre las coberturas lagunares, según variaciones estacionales intranuales propias de los sistemas en el área de estudio.

Fuente: Elaboración propia

1.4 Metadata de Imágenes de alta resolución – Pleiades 1A

1.4.1 Invierno 2018

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1.5 Metadata de Imágenes de media resolución – Landsat 8

1.5.1 Invierno 2018

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ORIGIN = "Image courtesy of the U.S. Geological Survey"
REQUEST_ID = "0501808176947_00028"
LANDSAT_SCENE_ID = "LC82330762018228LGN01"
LANDSAT_PRODUCT_ID = "LC08_L1TP_233076_20180816_20180817_01_RT"
COLLECTION_NUMBER = 01
FILE_DATE = 2018-08-17T11:46:47Z
STATION_ID = "LGN"
PROCESSING_SOFTWARE_VERSION = "LPGS_13.1.0"
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GROUP = PRODUCT_METADATA
DATA_TYPE = "L1TP"
COLLECTION_CATEGORY = "RT"
ELEVATION_SOURCE = "GLS2000"
OUTPUT_FORMAT = "GEOTIFF"
SPACECRAFT_ID = "LANDSAT_8"
SENSOR_ID = "OLI_TIRS"
WRS_PATH = 233
WRS_ROW = 76
NADIR_OFFNADIR = "NADIR"
TARGET_WRS_PATH = 233
TARGET_WRS_ROW = 76
DATE_ACQUIRED = 2018-08-16
SCENE_CENTER_TIME = "14:30:19.5171940Z"
CORNER_UL_LAT_PRODUCT = -22.06099
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CORNER_LR_LAT_PRODUCT = -24.16171
CORNER_LR_LON_PRODUCT = -66.98814
CORNER_UL_PROJECTION_X_PRODUCT = 473400.000
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CORNER_UR_PROJECTION_X_PRODUCT = 704400.000
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CORNER_LL_PROJECTION_Y_PRODUCT = -2673600.000
CORNER_LR_PROJECTION_X_PRODUCT = 704400.000
CORNER_LR_PROJECTION_Y_PRODUCT = -2673600.000
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BPF_NAME_TIRS = "LT8BPF20180812101713_20180812105949.01"
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IMAGE_QUALITY_TIRS = 7
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TIRS_SSM_POSITION_STATUS = "ESTIMATED"
TIRS_STRAY_LIGHT_CORRECTION_SOURCE = "TIRS"
ROLL_ANGLE = -0.001
SUN_AZIMUTH = 43.25314157
SUN_ELEVATION = 41.96553151
EARTH_SUN_DISTANCE = 1.0126063
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REFLECTANCE_MINIMUM_BAND_3 = -0.099980
REFLECTANCE_MAXIMUM_BAND_4 = 1.210700
REFLECTANCE_MINIMUM_BAND_4 = -0.099980
REFLECTANCE_MAXIMUM_BAND_5 = 1.210700
REFLECTANCE_MINIMUM_BAND_5 = -0.099980
REFLECTANCE_MAXIMUM_BAND_6 = 1.210700
```



```
REFLECTANCE_MINIMUM_BAND_6 = -0.099980
REFLECTANCE_MAXIMUM_BAND_7 = 1.210700
REFLECTANCE_MINIMUM_BAND_7 = -0.099980
REFLECTANCE_MAXIMUM_BAND_8 = 1.210700
REFLECTANCE_MINIMUM_BAND_8 = -0.099980
REFLECTANCE_MAXIMUM_BAND_9 = 1.210700
REFLECTANCE_MINIMUM_BAND_9 = -0.099980
END_GROUP = MIN_MAX_REFLECTANCE
GROUP = MIN_MAX_PIXEL_VALUE
QUANTIZE_CAL_MAX_BAND_1 = 65535
QUANTIZE_CAL_MIN_BAND_1 = 1
QUANTIZE_CAL_MAX_BAND_2 = 65535
QUANTIZE_CAL_MIN_BAND_2 = 1
QUANTIZE_CAL_MAX_BAND_3 = 65535
QUANTIZE_CAL_MIN_BAND_3 = 1
QUANTIZE_CAL_MAX_BAND_4 = 65535
QUANTIZE_CAL_MIN_BAND_4 = 1
QUANTIZE_CAL_MAX_BAND_5 = 65535
QUANTIZE_CAL_MIN_BAND_5 = 1
QUANTIZE_CAL_MAX_BAND_6 = 65535
QUANTIZE_CAL_MIN_BAND_6 = 1
QUANTIZE_CAL_MAX_BAND_7 = 65535
QUANTIZE_CAL_MIN_BAND_7 = 1
QUANTIZE_CAL_MAX_BAND_8 = 65535
QUANTIZE_CAL_MIN_BAND_8 = 1
QUANTIZE_CAL_MAX_BAND_9 = 65535
QUANTIZE_CAL_MIN_BAND_9 = 1
QUANTIZE_CAL_MAX_BAND_10 = 65535
QUANTIZE_CAL_MIN_BAND_10 = 1
QUANTIZE_CAL_MAX_BAND_11 = 65535
QUANTIZE_CAL_MIN_BAND_11 = 1
END_GROUP = MIN_MAX_PIXEL_VALUE
GROUP = RADIOMETRIC_RESCALING
RADIANCE_MULT_BAND_1 = 1.2245E-02
RADIANCE_MULT_BAND_2 = 1.2539E-02
RADIANCE_MULT_BAND_3 = 1.1555E-02
RADIANCE_MULT_BAND_4 = 9.7436E-03
RADIANCE_MULT_BAND_5 = 5.9626E-03
RADIANCE_MULT_BAND_6 = 1.4828E-03
file:///Z:/GIS/2016-
012/REC/IMA/20180821_IMA_LANDSAT8_AGO18/METADATA_L8_INV_2018.txt[04-
10-2018 15:24:07]
RADIANCE_MULT_BAND_7 = 4.9980E-04
RADIANCE_MULT_BAND_8 = 1.1027E-02
RADIANCE_MULT_BAND_9 = 2.3303E-03
RADIANCE_MULT_BAND_10 = 3.3420E-04
RADIANCE_MULT_BAND_11 = 3.3420E-04
RADIANCE_ADD_BAND_1 = -61.22540
RADIANCE_ADD_BAND_2 = -62.69556
```

```
RADIANCE_ADD_BAND_3 = -57.77342
RADIANCE_ADD_BAND_4 = -48.71780
RADIANCE_ADD_BAND_5 = -29.81287
RADIANCE_ADD_BAND_6 = -7.41419
RADIANCE_ADD_BAND_7 = -2.49898
RADIANCE_ADD_BAND_8 = -55.13514
RADIANCE_ADD_BAND_9 = -11.65154
RADIANCE_ADD_BAND_10 = 0.10000
RADIANCE_ADD_BAND_11 = 0.10000
REFLECTANCE_MULT_BAND_1 = 2.0000E-05
REFLECTANCE_MULT_BAND_2 = 2.0000E-05
REFLECTANCE_MULT_BAND_3 = 2.0000E-05
REFLECTANCE_MULT_BAND_4 = 2.0000E-05
REFLECTANCE_MULT_BAND_5 = 2.0000E-05
REFLECTANCE_MULT_BAND_6 = 2.0000E-05
REFLECTANCE_MULT_BAND_7 = 2.0000E-05
REFLECTANCE_MULT_BAND_8 = 2.0000E-05
REFLECTANCE_MULT_BAND_9 = 2.0000E-05
REFLECTANCE_ADD_BAND_1 = -0.10000
REFLECTANCE_ADD_BAND_2 = -0.10000
REFLECTANCE_ADD_BAND_3 = -0.10000
REFLECTANCE_ADD_BAND_4 = -0.10000
REFLECTANCE_ADD_BAND_5 = -0.10000
REFLECTANCE_ADD_BAND_6 = -0.10000
REFLECTANCE_ADD_BAND_7 = -0.10000
REFLECTANCE_ADD_BAND_8 = -0.10000
REFLECTANCE_ADD_BAND_9 = -0.10000
END_GROUP = RADIOMETRIC_RESCALING
GROUP = TIRS_THERMAL_CONSTANTS
K1_CONSTANT_BAND_10 = 774.8853
K2_CONSTANT_BAND_10 = 1321.0789
K1_CONSTANT_BAND_11 = 480.8883
K2_CONSTANT_BAND_11 = 1201.1442
END_GROUP = TIRS_THERMAL_CONSTANTS
GROUP = PROJECTION_PARAMETERS
MAP_PROJECTION = "UTM"
DATUM = "WGS84"
ELLIPSOID = "WGS84"
UTM_ZONE = 19
GRID_CELL_SIZE_PANCHROMATIC = 15.00
GRID_CELL_SIZE_REFLECTIVE = 30.00
GRID_CELL_SIZE_THERMAL = 30.00
ORIENTATION = "NORTH_UP"
RESAMPLING_OPTION = "CUBIC_CONVOLUTION"
END_GROUP = PROJECTION_PARAMETERS
END_GROUP = L1_METADATA_FILE
```

END

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```
GROUP = L1_METADATA_FILE
GROUP = METADATA_FILE_INFO
ORIGIN = "Image courtesy of the U.S. Geological Survey"
REQUEST_ID = "0701812264939_00043"
LANDSAT_SCENE_ID = "LC82330762018356LGN00"
LANDSAT_PRODUCT_ID = "LC08_L1TP_233076_20181222_20181227_01_T1"
COLLECTION_NUMBER = 01
FILE_DATE = 2018-12-27T16:55:54Z
STATION_ID = "LGN"
PROCESSING_SOFTWARE_VERSION = "LPGS_13.1.0"
END_GROUP = METADATA_FILE_INFO
GROUP = PRODUCT_METADATA
DATA_TYPE = "L1TP"
COLLECTION_CATEGORY = "T1"
ELEVATION_SOURCE = "GLS2000"
OUTPUT_FORMAT = "GEOTIFF"
SPACECRAFT_ID = "LANDSAT_8"
SENSOR_ID = "OLI_TIRS"
WRS_PATH = 233
WRS_ROW = 76
NADIR_OFFNADIR = "NADIR"
TARGET_WRS_PATH = 233
TARGET_WRS_ROW = 76
DATE_ACQUIRED = 2018-12-22
SCENE_CENTER_TIME = "14:30:45.5446470Z"
CORNER_UL_LAT_PRODUCT = -22.06101
CORNER_UL_LON_PRODUCT = -69.24618
CORNER_UR_LAT_PRODUCT = -22.04906
CORNER_UR_LON_PRODUCT = -67.00776
CORNER_LL_LAT_PRODUCT = -24.17478
CORNER_LL_LON_PRODUCT = -69.25007
CORNER_LR_LAT_PRODUCT = -24.16156
CORNER_LR_LON_PRODUCT = -66.97633
CORNER_UL_PROJECTION_X_PRODUCT = 474600.000
CORNER_UL_PROJECTION_Y_PRODUCT = -2439600.000
CORNER_UR_PROJECTION_X_PRODUCT = 705600.000
CORNER_UR_PROJECTION_Y_PRODUCT = -2439600.000
CORNER_LL_PROJECTION_X_PRODUCT = 474600.000
CORNER_LL_PROJECTION_Y_PRODUCT = -2673600.000
CORNER_LR_PROJECTION_X_PRODUCT = 705600.000
CORNER_LR_PROJECTION_Y_PRODUCT = -2673600.000
PANCHROMATIC_LINES = 15601
PANCHROMATIC_SAMPLES = 15401
REFLECTIVE_LINES = 7801
REFLECTIVE_SAMPLES = 7701
THERMAL_LINES = 7801
THERMAL_SAMPLES = 7701
```

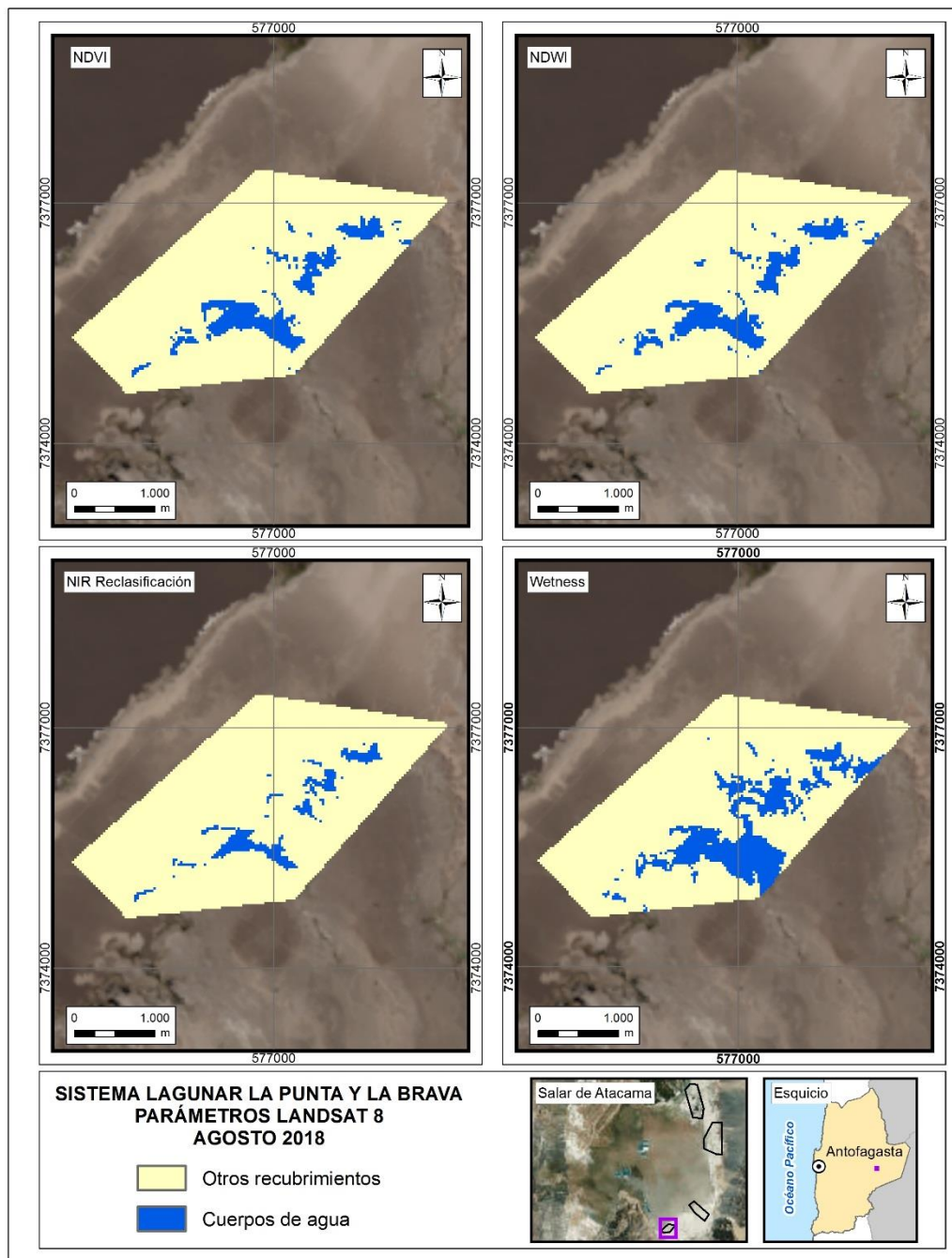
```
FILE_NAME_BAND_1 = "LC08_L1TP_233076_20181222_20181227_01_T1_B1.TIF"
FILE_NAME_BAND_2 = "LC08_L1TP_233076_20181222_20181227_01_T1_B2.TIF"
FILE_NAME_BAND_3 = "LC08_L1TP_233076_20181222_20181227_01_T1_B3.TIF"
FILE_NAME_BAND_4 = "LC08_L1TP_233076_20181222_20181227_01_T1_B4.TIF"
FILE_NAME_BAND_5 = "LC08_L1TP_233076_20181222_20181227_01_T1_B5.TIF"
FILE_NAME_BAND_6 = "LC08_L1TP_233076_20181222_20181227_01_T1_B6.TIF"
FILE_NAME_BAND_7 = "LC08_L1TP_233076_20181222_20181227_01_T1_B7.TIF"
FILE_NAME_BAND_8 = "LC08_L1TP_233076_20181222_20181227_01_T1_B8.TIF"
FILE_NAME_BAND_9 = "LC08_L1TP_233076_20181222_20181227_01_T1_B9.TIF"
FILE_NAME_BAND_10 =
"LC08_L1TP_233076_20181222_20181227_01_T1_B10.TIF"
FILE_NAME_BAND_11 =
"LC08_L1TP_233076_20181222_20181227_01_T1_B11.TIF"
FILE_NAME_BAND_QUALITY =
"LC08_L1TP_233076_20181222_20181227_01_T1_BQA.TIF"
ANGLE_COEFFICIENT_FILE_NAME =
"LC08_L1TP_233076_20181222_20181227_01_T1_ANG.txt"
METADATA_FILE_NAME =
"LC08_L1TP_233076_20181222_20181227_01_T1_MTL.txt"
CPF_NAME = "LC08CPF_20181001_20181231_01.02"
BPF_NAME_OLI = "LO8BPF20181222140637_20181222145004.01"
BPF_NAME_TIRS = "LT8BPF20181208120131_20181223055034.01"
RLUT_FILE_NAME = "LC08RLUT_20150303_20431231_01_12.h5"
END_GROUP = PRODUCT_METADATA
GROUP = IMAGE_ATTRIBUTES
CLOUD_COVER = 0.99
CLOUD_COVER_LAND = 0.99
IMAGE_QUALITY_OLI = 9
IMAGE_QUALITY_TIRS = 9
TIRS_SSM_MODEL = "FINAL"
TIRS_SSM_POSITION_STATUS = "ESTIMATED"
TIRS_STRAY_LIGHT_CORRECTION_SOURCE = "TIRS"
ROLL_ANGLE = -0.001
SUN_AZIMUTH = 96.71028708
SUN_ELEVATION = 62.41642568
EARTH_SUN_DISTANCE = 0.9836308
SATURATION_BAND_1 = "Y"
SATURATION_BAND_2 = "N"
SATURATION_BAND_3 = "N"
SATURATION_BAND_4 = "N"
SATURATION_BAND_5 = "N"
SATURATION_BAND_6 = "Y"
SATURATION_BAND_7 = "Y"
SATURATION_BAND_8 = "N"
SATURATION_BAND_9 = "N"
GROUND_CONTROL_POINTS_VERSION = 4
GROUND_CONTROL_POINTS_MODEL = 453
GEOMETRIC_RMSE_MODEL = 5.399
GEOMETRIC_RMSE_MODEL_Y = 3.890
```

```
GEOMETRIC_RMSE_MODEL_X = 3.745
GROUND_CONTROL_POINTS_VERIFY = 159
GEOMETRIC_RMSE_VERIFY = 2.870
TRUNCATION_OLI = "UPPER"
END_GROUP = IMAGE_ATTRIBUTES
GROUP = MIN_MAX_RADIANCE
RADIANCE_MAXIMUM_BAND_1 = 785.57050
RADIANCE_MINIMUM_BAND_1 = -64.87267
RADIANCE_MAXIMUM_BAND_2 = 804.43378
RADIANCE_MINIMUM_BAND_2 = -66.43040
RADIANCE_MAXIMUM_BAND_3 = 741.27881
RADIANCE_MINIMUM_BAND_3 = -61.21505
RADIANCE_MAXIMUM_BAND_4 = 625.08807
RADIANCE_MINIMUM_BAND_4 = -51.61998
RADIANCE_MAXIMUM_BAND_5 = 382.52274
RADIANCE_MINIMUM_BAND_5 = -31.58885
RADIANCE_MAXIMUM_BAND_6 = 95.12992
RADIANCE_MINIMUM_BAND_6 = -7.85586
RADIANCE_MAXIMUM_BAND_7 = 32.06388
RADIANCE_MINIMUM_BAND_7 = -2.64785
RADIANCE_MAXIMUM_BAND_8 = 707.42767
RADIANCE_MINIMUM_BAND_8 = -58.41961
RADIANCE_MAXIMUM_BAND_9 = 149.49855
RADIANCE_MINIMUM_BAND_9 = -12.34564
RADIANCE_MAXIMUM_BAND_10 = 22.00180
RADIANCE_MINIMUM_BAND_10 = 0.10033
RADIANCE_MAXIMUM_BAND_11 = 22.00180
RADIANCE_MINIMUM_BAND_11 = 0.10033
END_GROUP = MIN_MAX_RADIANCE
GROUP = MIN_MAX_REFLECTANCE
REFLECTANCE_MAXIMUM_BAND_1 = 1.210700
REFLECTANCE_MINIMUM_BAND_1 = -0.099980
REFLECTANCE_MAXIMUM_BAND_2 = 1.210700
REFLECTANCE_MINIMUM_BAND_2 = -0.099980
REFLECTANCE_MAXIMUM_BAND_3 = 1.210700
REFLECTANCE_MINIMUM_BAND_3 = -0.099980
REFLECTANCE_MAXIMUM_BAND_4 = 1.210700
REFLECTANCE_MINIMUM_BAND_4 = -0.099980
REFLECTANCE_MAXIMUM_BAND_5 = 1.210700
REFLECTANCE_MINIMUM_BAND_5 = -0.099980
REFLECTANCE_MAXIMUM_BAND_6 = 1.210700
REFLECTANCE_MINIMUM_BAND_6 = -0.099980
REFLECTANCE_MAXIMUM_BAND_7 = 1.210700
REFLECTANCE_MINIMUM_BAND_7 = -0.099980
REFLECTANCE_MAXIMUM_BAND_8 = 1.210700
REFLECTANCE_MINIMUM_BAND_8 = -0.099980
REFLECTANCE_MAXIMUM_BAND_9 = 1.210700
REFLECTANCE_MINIMUM_BAND_9 = -0.099980
END_GROUP = MIN_MAX_REFLECTANCE
```

```
GROUP = MIN_MAX_PIXEL_VALUE
QUANTIZE_CAL_MAX_BAND_1 = 65535
QUANTIZE_CAL_MIN_BAND_1 = 1
QUANTIZE_CAL_MAX_BAND_2 = 65535
QUANTIZE_CAL_MIN_BAND_2 = 1
QUANTIZE_CAL_MAX_BAND_3 = 65535
QUANTIZE_CAL_MIN_BAND_3 = 1
QUANTIZE_CAL_MAX_BAND_4 = 65535
QUANTIZE_CAL_MIN_BAND_4 = 1
QUANTIZE_CAL_MAX_BAND_5 = 65535
QUANTIZE_CAL_MIN_BAND_5 = 1
QUANTIZE_CAL_MAX_BAND_6 = 65535
QUANTIZE_CAL_MIN_BAND_6 = 1
QUANTIZE_CAL_MAX_BAND_7 = 65535
QUANTIZE_CAL_MIN_BAND_7 = 1
QUANTIZE_CAL_MAX_BAND_8 = 65535
QUANTIZE_CAL_MIN_BAND_8 = 1
QUANTIZE_CAL_MAX_BAND_9 = 65535
QUANTIZE_CAL_MIN_BAND_9 = 1
QUANTIZE_CAL_MAX_BAND_10 = 65535
QUANTIZE_CAL_MIN_BAND_10 = 1
QUANTIZE_CAL_MAX_BAND_11 = 65535
QUANTIZE_CAL_MIN_BAND_11 = 1
END_GROUP = MIN_MAX_PIXEL_VALUE
GROUP = RADIOMETRIC_RESCALING
RADIANCE_MULT_BAND_1 = 1.2977E-02
RADIANCE_MULT_BAND_2 = 1.3289E-02
RADIANCE_MULT_BAND_3 = 1.2245E-02
RADIANCE_MULT_BAND_4 = 1.0326E-02
RADIANCE_MULT_BAND_5 = 6.3190E-03
RADIANCE_MULT_BAND_6 = 1.5715E-03
RADIANCE_MULT_BAND_7 = 5.2968E-04
RADIANCE_MULT_BAND_8 = 1.1686E-02
RADIANCE_MULT_BAND_9 = 2.4696E-03
RADIANCE_MULT_BAND_10 = 3.3420E-04
RADIANCE_MULT_BAND_11 = 3.3420E-04
RADIANCE_ADD_BAND_1 = -64.88564
RADIANCE_ADD_BAND_2 = -66.44369
RADIANCE_ADD_BAND_3 = -61.22729
RADIANCE_ADD_BAND_4 = -51.63030
RADIANCE_ADD_BAND_5 = -31.59517
RADIANCE_ADD_BAND_6 = -7.85743
RADIANCE_ADD_BAND_7 = -2.64838
RADIANCE_ADD_BAND_8 = -58.43129
RADIANCE_ADD_BAND_9 = -12.34811
RADIANCE_ADD_BAND_10 = 0.10000
RADIANCE_ADD_BAND_11 = 0.10000
REFLECTANCE_MULT_BAND_1 = 2.0000E-05
REFLECTANCE_MULT_BAND_2 = 2.0000E-05
```

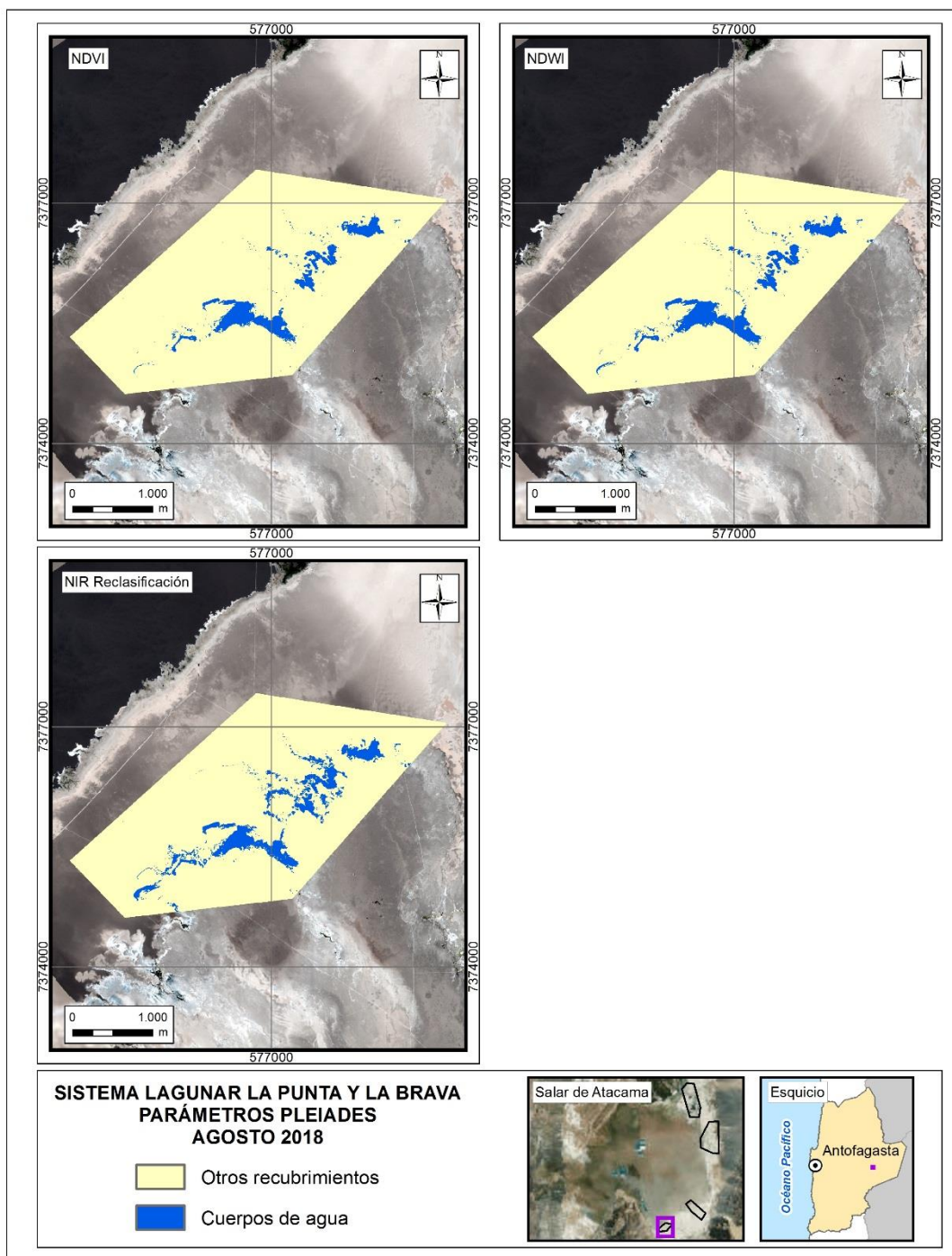
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REFLECTANCE_MULT_BAND_3 = 2.0000E-05
REFLECTANCE_MULT_BAND_4 = 2.0000E-05
REFLECTANCE_MULT_BAND_5 = 2.0000E-05
REFLECTANCE_MULT_BAND_6 = 2.0000E-05
REFLECTANCE_MULT_BAND_7 = 2.0000E-05
REFLECTANCE_MULT_BAND_8 = 2.0000E-05
REFLECTANCE_MULT_BAND_9 = 2.0000E-05
REFLECTANCE_ADD_BAND_1 = -0.100000
REFLECTANCE_ADD_BAND_2 = -0.100000
REFLECTANCE_ADD_BAND_3 = -0.100000
REFLECTANCE_ADD_BAND_4 = -0.100000
REFLECTANCE_ADD_BAND_5 = -0.100000
REFLECTANCE_ADD_BAND_6 = -0.100000
REFLECTANCE_ADD_BAND_7 = -0.100000
REFLECTANCE_ADD_BAND_8 = -0.100000
REFLECTANCE_ADD_BAND_9 = -0.100000
END_GROUP = RADIOMETRIC_RESCALING
GROUP = TIRS_THERMAL_CONSTANTS
K1_CONSTANT_BAND_10 = 774.8853
K2_CONSTANT_BAND_10 = 1321.0789
K1_CONSTANT_BAND_11 = 480.8883
K2_CONSTANT_BAND_11 = 1201.1442
END_GROUP = TIRS_THERMAL_CONSTANTS
GROUP = PROJECTION_PARAMETERS
MAP_PROJECTION = "UTM"
DATUM = "WGS84"
ELLIPSOID = "WGS84"
UTM_ZONE = 19
GRID_CELL_SIZE_PANCHROMATIC = 15.00
GRID_CELL_SIZE_REFLECTIVE = 30.00
GRID_CELL_SIZE_THERMAL = 30.00
ORIENTATION = "NORTH_UP"
RESAMPLING_OPTION = "CUBIC_CONVOLUTION"
END_GROUP = PROJECTION_PARAMETERS
END_GROUP = L1_METADATA_FILE
END
```

1.6 Parámetros espectrales para el sistema lagunar La Punta y La Brava, imágenes LANDSAT 8, invierno 2018.



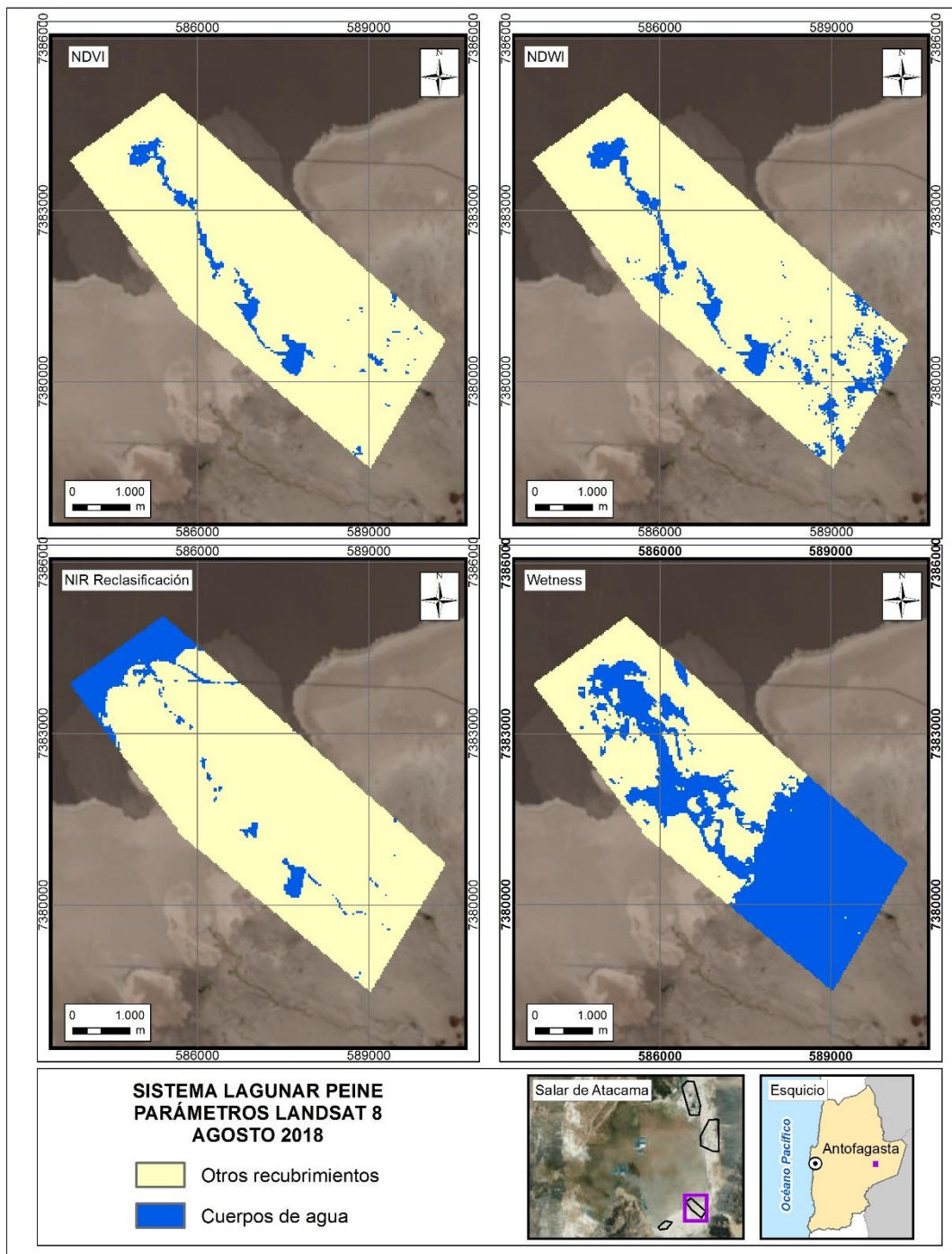
Fuente: Elaboración propia

1.7 Parámetros espectrales para el sistema lagunar La Punta y La Brava, imágenes PLEIADES 1A, invierno 2018.



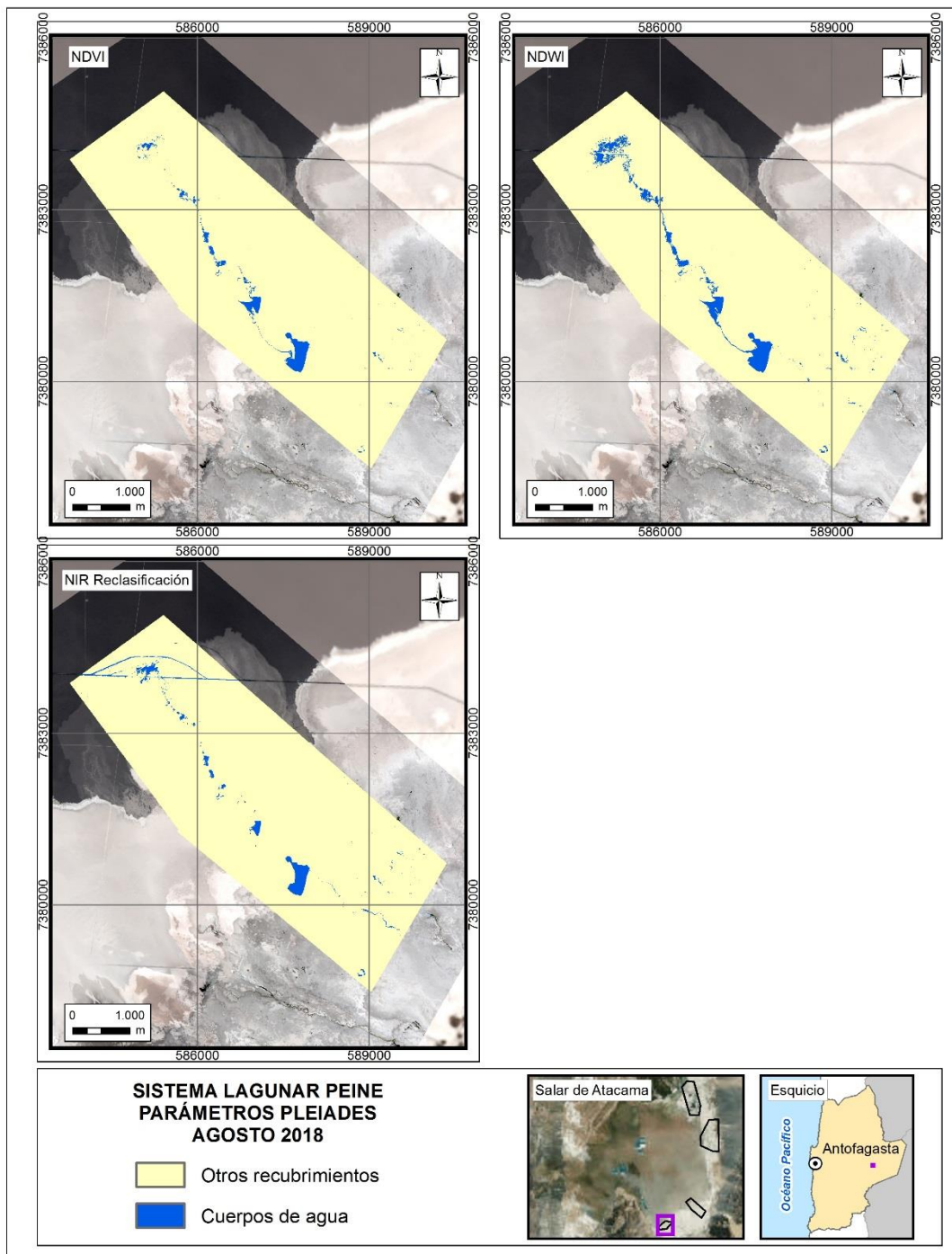
Fuente: Elaboración propia

1.8 Parámetros espectrales para el sistema lagunar Peine, imágenes LANDSAT 8, invierno 2018.



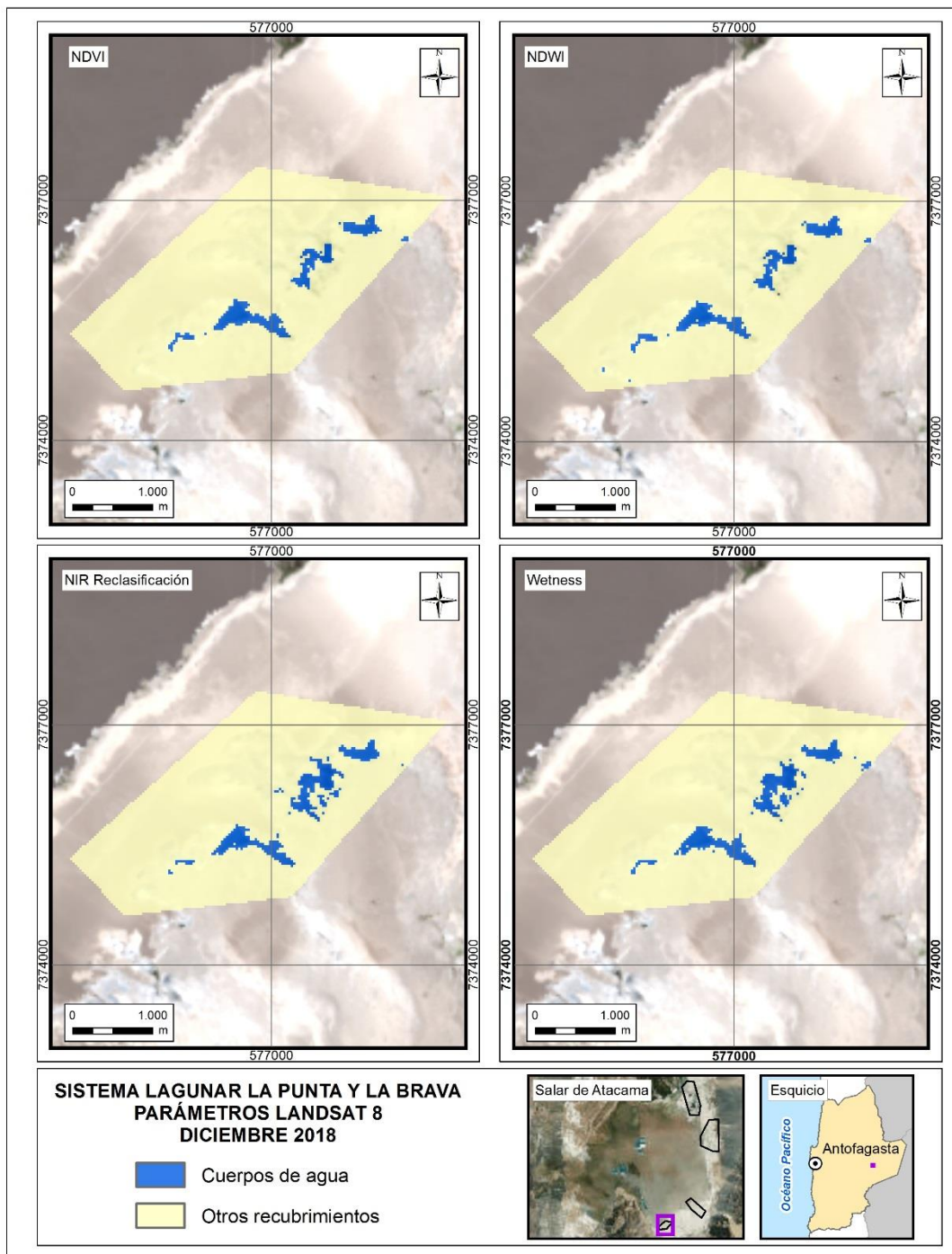
Fuente: Elaboración propia

1.9 Parámetros espectrales para el sistema lagunar Peine, imágenes PLEIADES 1A, invierno 2018.



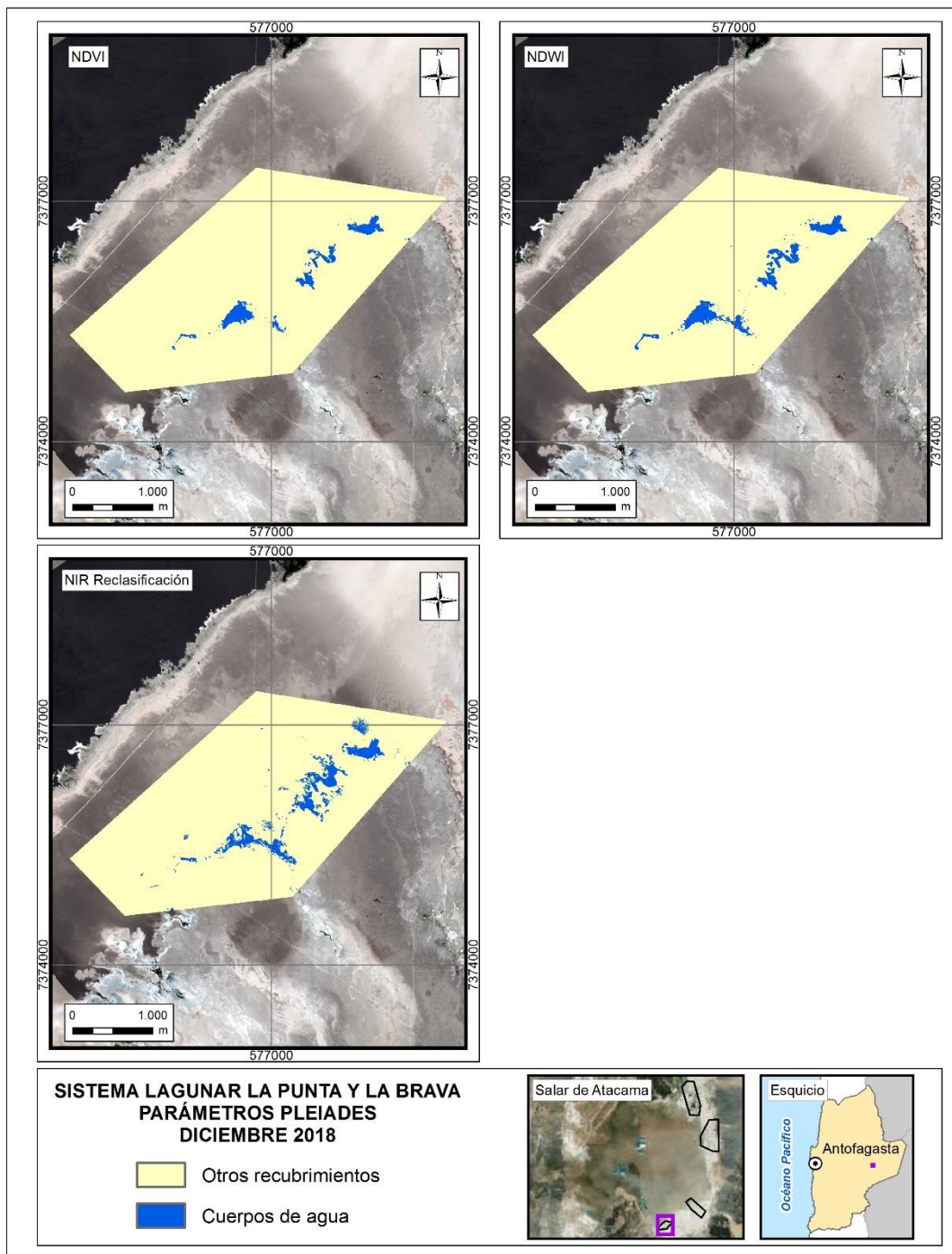
Fuente: Elaboración propia

1.10 Parámetros espectrales para el sistema lagunar La Punta y La Brava, imágenes LANDSAT 8, verano 2018.



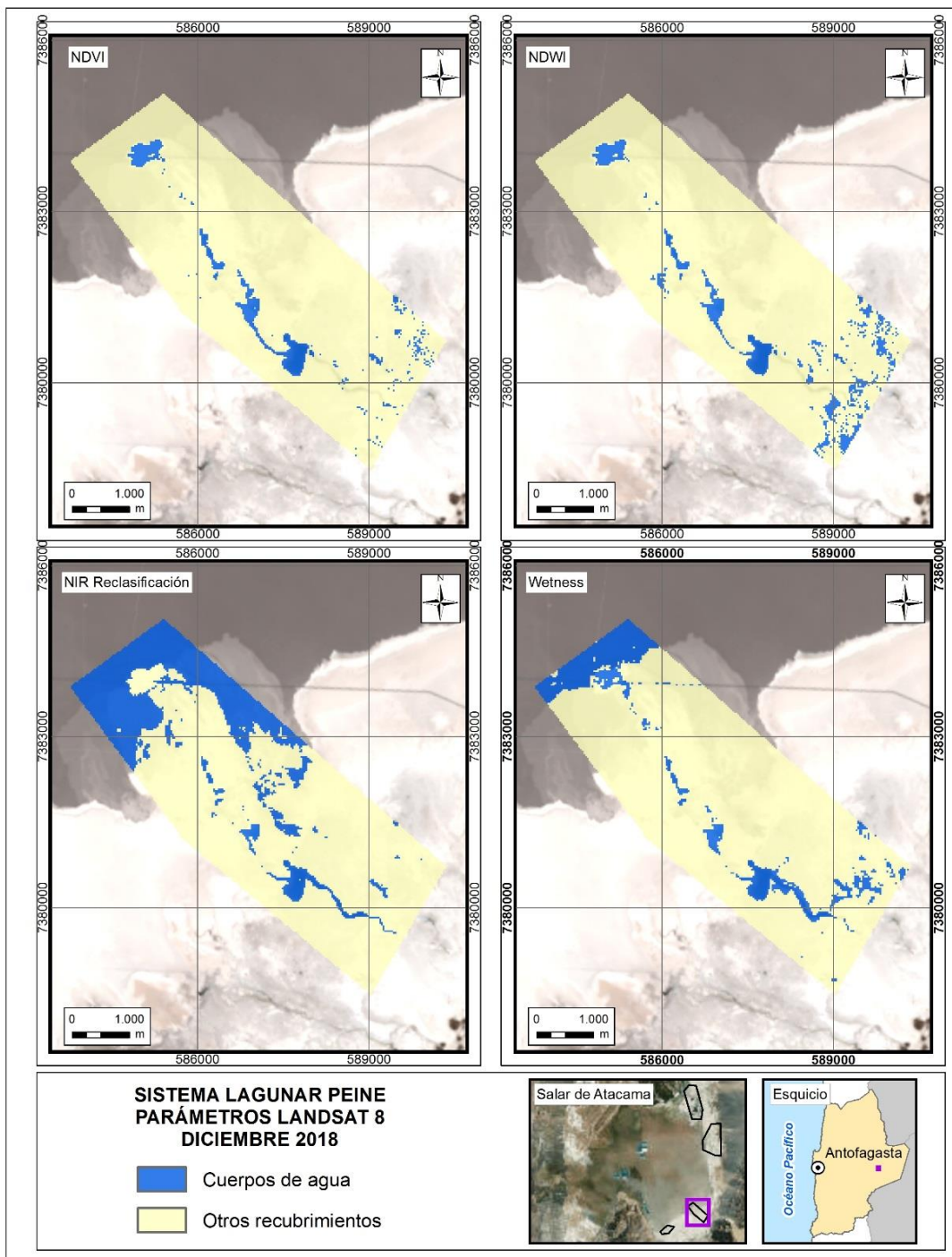
Fuente: Elaboración propia

1.11 Parámetros espectrales para el sistema lagunar La Punta y La Brava, imágenes PLEIADES 1A, verano 2018.



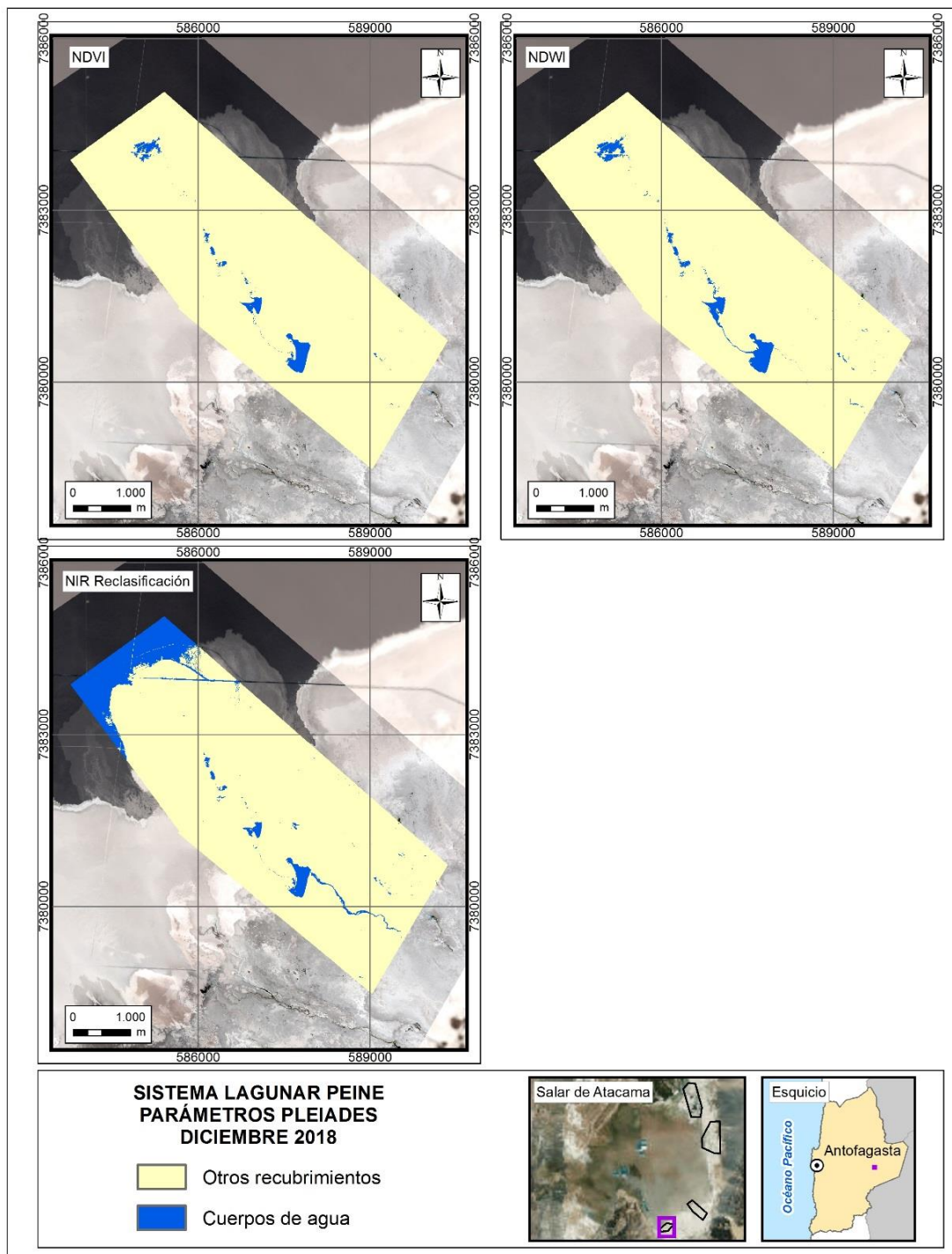
Fuente: Elaboración propia

1.12 Parámetros espectrales para el sistema lagunar Peine, imágenes LANDSAT 8, verano 2018.



Fuente: Elaboración propia

1.13 Parámetros espectrales para el sistema lagunar Peine, imágenes PLEIADES 1A, verano 2018.



Fuente: Elaboración propia