

## Supplement

**Table 1. Freshwater crayfish distribution in Greece based on comprehensive literature review, sampling and internet (citizen-science) data. ASA:**

***Astacus astacus*; APT: *Austropotamobious torrentium*; ASL: *Astacus leptodactylus*; PFL: *Pacifastacus leniusculus*.**

Map #	Species	Location	Tributary/ river basin/ lake/ mountain	Region	Altitude (a.s.l.)	Source	Year (sample/ info/ source)	Specific comment	Extra comment
1	ASA	Doirani lake	Doirani lake	Central Macedonia	140	Balss, 1928; Karaman, 1963	1917 (Balss)- 1960s (Karaman)	Sample (4 specimens-Balss), Karaman also worked on numerus specimens	Historical records. Probably, not current presence in the lake
2	ASA	Tributary of Doirani lake	Doirani lake	Central Macedonia	176	Perdikaris, 2009	mid 2000s	Sample	Koutrakis E., pers. comm.
3	ASA	Axios river and tributaries	Axios river and tributaries	Central Macedonia	30	Balss, 1928; Holthuis, 1961; Karaman, 1963; Albrecht, 1982; Kinzelbach, 1986	from 1918 (Balss)	Sample (1 specimen-Balss, 1928), Holthuis (1961), Karaman (1963) and Kinzelbach (1986) also worked on specimens	Probably not current presence in the main river body. Before 1963 (Kinzelbach, 1986) in the lower (Greek) part
4	ASA	Axioupoli	Tributary of Axios river	Central Macedonia	72	Perdikaris, 2009	2007	Michailidis G. (pers. comm.) based on sample	Fisheries Dept of Kilkis
5	ASA	Artificial lake Metalleiou	Paiko mountain (northern part)	Central Macedonia	275	Perdikaris, 2009	2007	Michailidis G. (pers. comm.) based on sample	Fisheries Dept of Kilkis

6	ASA	Blue lake, Metalliou lake (and brooks), Kilkis	Paiko mountain Paiko (northern part)	Central Macedonia	420	Current work	2013	<a href="http://www.pmnews.gr/travel/699-paiko-n-kilkis-taksideiontas-y-po-skian">http://www.pmnews.gr/travel/699-paiko-n-kilkis-taksideiontas-y-po-skian</a>	
7	ASA	Close to Koupa village	Paiko mountain (northern part)	Central Macedonia	560	Perdikaris, 2009	2007	Michailidis G. (pers. comm.) based on sample	Fisheries Dept of Kilkis
8	ASA	Close to Skra village	Paiko mountain (northern part)	Central Macedonia	685	Perdikaris, 2009	2007	Michailidis G. (pers. comm.) based on sample	Fisheries Dept of Kilkis
9	ASA	Spring close to Aravissos village	Tributary of Loudias river, Paiko mountain Paiko (southern part)	Central Macedonia	41	Current work	2016	Kehagias P. (pers. comm.)	
10	ASA	Melisiotikos river	Tributary of Loudias river, Paiko mountain (southern part)	Central Macedonia	8	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2006	Sample (3 specimens-Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009)	
11	ASA	Palaifyto	Tributary of Loudias river, Paiko mountain (southern part)	Central Macedonia	12	Laggis <i>et al.</i> , 2017	2011-2012	Sample (20 specimens-Laggis <i>et al.</i> , 2017)	Translocated probably from Vegoritida/Agra lake
12	ASA	Agios Nikolaos (3 km SW of Naousa)	springs of Arapitsa river (Vermio mountain), tributary of Aliakmonas river	Central Macedonia	491	Koukoura, 1973	1965	Sample	Mentioned as <i>A. astacus balcanicus</i>
13	ASA	Vegoritida lake	Vegoritida lake	Central Macedonia	510	Koukoura, 1973; Laggis <i>et al.</i> , 2017	1968, 2008-2009	Sample (unknown number of specimens in Koukoura, 1973, 1 specimen-Laggis <i>et al.</i> , 2017)	Mentioned as <i>A. astacus balcanicus</i> by Koukoura (1973). Translocated from Orchomenos and Edessa (Laggis <i>et al.</i> ,

									2017)
13	ASA	Vegoritida lake	Vegoritida lake	Central Macedonia	510	Current work	2010	<a href="https://www.youtube.com/watch?v=77B8TogTSUY">https://www.youtube.com/watch?v=77B8TogTSUY</a>	Crayfish in the lake but not adequately visible for identification
14	ASA	Skotina stream	Tributary of Ziliana on Olympos mountain	Central Macedonia	1 203	Laggis <i>et al.</i> , 2017	2012	Sample (20 specimens)	Native
15	ASA	Karya village	Tributary of Ziliana on Olympos mountain	Central Macedonia	817	Laggis <i>et al.</i> , 2017	2011-2012	Sample (20 specimens)	Native
16	ASA	Prespa lakes and adjacent tributaries	Prespa lakes watershed	Western Macedonia	842	Krstić, 2012; Spirkovski <i>et al.</i> , 2012	?	Krstić, S. S. (2012); Spirkovski <i>et al.</i> , (2012).	Krstić (2012) mentions ASA and APT for Megali (Macro) Prespa watershed. Spirkovski <i>et al.</i> , (2012) mentions ASA with the tributaries of lakes as the main habitats but the specimen shown in photo is APT. Moreover the catching of crayfish is at present forbidden due to low population density. Both species are rather present in the system
17-23	ASA	Kipoi (23) and mountain tributaries of Voidomatis river	Tributary of Aoos river	Epirus	1 086 935 670 872 960 973	Theocharis, 1986; Machino and Holdich, 2006; Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009; Laggis <i>et al.</i> , 2017	1980s, 2011	Filos P. (pers. comm.) (Fisheries Dept of Kastoria). Sample (2 specimens from Fragades-Laggis <i>et al.</i> , 2017)	Present in dense network of mountain streams close to villages Tsepelovo (17), Fragades (18), Negrades (19), Dilofo (20), Aspraggeloi (21) and Elati (22). Aslo some dots on a map by Theocharis (1986)

24	ASA	Upper segments of Kalamas river and tributaries Gormos and Limpousdas (from springs close to Kalpaki down to the vilages Kataraktes and Mazaraki)	Kalamas river	Epirus	380	Theocharis, 1986; Kevrekidis <i>et al.</i> , 1999; Nikolaou, 2004; Perdikaris <i>et al.</i> , 2005a; Machino and Holdich, 2006; Perdikaris, 2009; Laggis <i>et al.</i> , 2017	from 1980s	Sample (numerous specimens- Perdikaris, 2009)	Commercially exploited population (local fest in the village Vrontismeni) with significant mortalities in the past due to crayfish plague (in 1982-PFL, in 1992- stocking of juveniles from France and in 2004 (Theocharis, 1986; Nikolaou, 2004; Savvidis, 2004). Translocated from Larissa during 1980s' and from unknown origins during 1990 and 1991.
25	ASA	Tzaravina lake		Epirus	466	Laggis <i>et al.</i> , 2017	2011	Sample (6 specimens)	Translocated from Larissa during 1980s' and from unknown origins during 1990 and 1991.
26-30	ASA	Grevenitis river (30)	Tributaries of Arachthos river	Epirus	998 866 828 790 655	Perdikaris, 2009	2007	Filos P. (pers. comm.) (Fisheries Dept of Kastoria)	Present in mountain brooks close to the villages Dikoryfo (26), Manassi (27), Kalouta (28) and Dipotamo (29).
31	ASA	Chani Kaber Aga	Tributary of Arachthos river	Epirus	574	Laggis <i>et al.</i> , 2017	2011	Sample (6 specimens)	

32	ASA	Artificial lake of Aoos springs (and 10 peripheral streams)	Artificial lake of Aoos springs	Epirus	1 348	Nikolaou, 2004; Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009; Laggis <i>et al.</i> , 2017	2004, 2009, 2011	Samples (15 specimens-Nikolaou, 2004 and 40 specimens, 20 each from two sampling sites-Laggis <i>et al.</i> , 2017)	According to Nikolaou (2004) the lake was stocked with ASA in 1996 by the Municipal Company of lake Pamvotis
32	ASA	Artificial lake of Aoos springs	Artificial lake of Aoos springs	Epirus	1 348	Current work	2014	<a href="http://www.tovima.gr/society/article/?aid=622718">http://www.tovima.gr/society/article/?aid=622718</a>	
33	ASA	Krania village	Tributary of Pinios river	Western Macedonia (very close to the border with Epirus)	1 220	Laggis <i>et al.</i> , 2017	2011	Sample (6 specimens)	Native
34	ASA	Pamvotida lake	Pamvotida lake	Epirus	470	Historical records by Athansopoulos, 1935; Karaman, 1963; Kinzelbach, 1986; Theocharis, 1986; Paschos and Kagalou, 1995; Kevrekidis <i>et al.</i> , 1999	from 1930s to late 1970s	Sample (15 specimens-Karaman, 1963)	Abundant in 1974, sample 1977 (Kinzelbach, 1986). Suspected incident of crayfish plague during early 1980s'
34	ASA	Pamvotida lake	Pamvotida lake	Epirus	470	Perdikaris and Georgiadis, 2017	2015	Sample (4 specimens)	Machino and Holdich (2006) did not found the species during a 1996 survey. Recent re-occurrence.
35	ASA	Mountain streams close to Pramanta	Tributaries of Arachthos river	Epirus	860	Perdikaris, 2009	2007	Gouva E. (pers. comm.)	

village

36	ASA	Upper segments of Acheron river (Diavolorema)	Tributaries of Acheron river	Epirus	392	Theocharis, 1986; Perdikaris, 2009	From 1980s		Unspecified location but some dots on a map in Theocharis (1986)
37	ASA	Upper-middle segments of Louros river (down to Kerasonas)	Tributaries of Louros river	Epirus	310	Theocharis, 1986; Perdikaris, 2009	From 1980s		Not present in the main river body (absent during a 2008 survey by Perdikaris). Some dots on a map by Theocharis (1986).
38	ASA	Potsona stream	Tributary of Louros river	Epirus	131	Perdikaris, 2009	2005		Recent re-stocking
39	ASA	Spring of Mavri close to Romio village	Tributary of Louros river	Epirus	21	Current work	at least up to 1950s	Konstantinidis E. (unpub. data.)	Probably historical record
40	ASA	Arachthos river	Arachthos river	Epirus	135	Laggis <i>et al.</i> , 2017	2011		Sample (1 specimen)
41,42	ASA	Akri Elassonas	Armampei dam (41) and the nearby Tsairisio waterfall (42)	Thessaly	1 083 928	Current work	2012	<a href="http://akrielassonas.blogspot.gr/2012/09/blog-post_20.html">http://akrielassonas.blogspot.gr/2012/09/blog-post_20.html</a>	dam was stocked from the nearby population. Photos available
43	ASA	Kefalovryso village, Elassona	Spring	Thessaly	255	Current work; Laggis <i>et al.</i> , 2017	2012	<a href="https://www.psarema.gr/sizitiseis/glika-nera/235588-karavides-glykon-neron?limitstart=0">https://www.psarema.gr/sizitiseis/glika-nera/235588-karavides-glykon-neron?limitstart=0</a> . Sample (1 specimen- Laggis <i>et al.</i> , 2017)	
44	ASA	Close to the villages Achelinada and	Dam in a tributary of Pinios river	Thessaly	1032	Current work; Laggis <i>et al.</i> , 2017	2011-2012	<a href="https://www.youtube.com/watch?v=HF_G32C9Nnb4">https://www.youtube.com/watch?v=HF_G32C9Nnb4</a> . Sample (17 specimens-	Local festival. Translocation in Logga from Krania during the last 10-15 years.

		Logga, Kalampaka						Laggis <i>et al.</i> , 2017)	
44	ASA	Close to Achelinada village, Kalampaka	Tributary of Pinios river	Thessaly	1 032	Current work	2015	<a href="http://www.trikalaola.gr/%CE%95%CE%BA%CE%B4%CE%B7%CE%BB%CF%8E%CF%83%CE%B5%CE%B9%CF%82%CE%B1%CF%80%CF%8C%CF%88%CE%B5-%CE%B7-%CE%B3%CE%B9%CE%BF%CF%81%CF%84%CE%AE-%CE%BA%CE%B1%CF%81%CE%B1%CE%B2%CE%AF%CE%B4%CE%B1%CF%82-%CF%83%CF%84%CE%B7%CE%BD">http://www.trikalaola.gr/%CE%95%CE%BA%CE%B4%CE%B7%CE%BB%CF%8E%CF%83%CE%B5%CE%B9%CF%82%CE%B1%CF%80%CF%8C%CF%88%CE%B5-%CE%B7-%CE%B3%CE%B9%CE%BF%CF%81%CF%84%CE%AE-%CE%BA%CE%B1%CF%81%CE%B1%CE%B2%CE%AF%CE%B4%CE%B1%CF%82-%CF%83%CF%84%CE%B7%CE%BD</a>	Photos available of cooked specimens
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45	ASA	Brook close to Konisko village, Trikala	Tributary of Pinios river	Thessaly	780	Current work; Laggis <i>et al.</i> , 2017	2011-2012	<a href="https://www.psarema.gr/sizitiseis/glika-nera/235588-karavides-glykon-neron?limitstart=0">https://www.psarema.gr/sizitiseis/glika-nera/235588-karavides-glykon-neron?limitstart=0</a> . Sample (17 specimens-Laggis <i>et al.</i> , 2017)	Translocation in Logga from Krania during the last 10-15 years.
46	ASA	Mati Tyrnavou	Argiropouliou lake	Thessaly	76	Athanassopoulos, 1935; Koutrakis <i>et al.</i> , 2007;	1930s	Lon: 22, Lat: 40 (Athanassopoulos, 1935)	

										Perdikaris, 2009
46	ASA	Mati Tyrnavou	Argiropouliou lake	Thessaly	76	Current work	Before 2013	<a href="http://grperblar.blogspot.gr/2010/05/blog-post_17.html">http://grperblar.blogspot.gr/2010/05/blog-post_17.html</a>	lake was stocked with ASA caught in brook close to the village Karya, southern part of Olympos mountain	
47	ASA	Ampelonas village, Larissa	Pinios river	Thessaly	63	Current work	2014	<a href="http://ampelwnaslarissas.blogspot.gr/2015/02/blog-post_572.html">http://ampelwnaslarissas.blogspot.gr/2015/02/blog-post_572.html</a>	ASA and ASL are present in the river (photos available)	
48	ASA	Larissa	Pinios river	Thessaly	66	Machino and Holdich, 2006; Koutrakis <i>et al.</i> , 2007	1980s	Based on Theocharis V. (pers comm.)	Translocated and introduced to river Kalamas.	
49	ASA	Rivers Enipeas, Onochoos, Kaletzis and Farsalitis in the area of Palamas	Tributaries of Pinios river	Thessaly	90	Perdikaris, 2009	2007		Rare in the main bodies of these tributaries and in the intensively cultivated lowlands in the area.	
50	ASA	Pertouli village	Tributary of Acheloos river	Thessaly	1 150	Laggis <i>et al.</i> , 2017	2013	Sample (22 specimens)		
51	ASA	Sofades village, Karditsa	Tributary of Pinios river	Thessaly	110	Current work	2011	<a href="http://www.ethnos.gr/entheta.asp?catid=23519andsubid=2andpubid=63594361">http://www.ethnos.gr/entheta.asp?catid=23519andsubid=2andpubid=63594361</a>		
52	ASA	Artificial Tavropos lake and peripheral streams	Artificial Tavropos lake	Thessaly	787	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2007	Sample (1 specimen)		
53	ASA	Mpelokomitis village	Below Artificial Tavropos lake	Thessaly	800	Current work	2012	<a href="https://www.psarema.gr/sizitiseis/glika-nera/235588-karavides-glykon-neron?limitstart=0">https://www.psarema.gr/sizitiseis/glika-nera/235588-karavides-glykon-neron?limitstart=0</a>		



54	ASA	Stream close to Neochori village	Tributary of Acheloos river	Thessaly	796	Laggis <i>et al.</i> , 2017	2011-2012	Sample (11 specimens)	
55	ASA	Stream close to Kalivia village	Tributary of Acheloos river	Thessaly	915	Laggis <i>et al.</i> , 2017	2011-2012	Sample (16 specimens)	
56	ASA	Tributary Bougazi, Perivoli Domokou	Dried lake Ksnyiada catchment	Stereia Ellada	487	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009; Laggis <i>et al.</i> , 2017	2006, 2011	Samples (3 specimens-Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009; 1 specimen-Laggis <i>et al.</i> , 2017)	Native
57, 58	ASA	Streams close to villages Amouri (57) and Moschochori (58)	Tributary of Spercheios river	Stereia Ellada	27 8	Current work	2015	<a href="https://www.facebook.com/stamatis.zogaris?fref=ts">https://www.facebook.com/stamatis.zogaris?fref=ts</a>	Specimen photos by S. Zogaris
59	ASA	Orchomenos	Unknown tributary of Kifissos river	Stereia Ellada	104	Current work	2012	<a href="https://www.youtube.com/watch?v=dKEB_zFT63Q">https://www.youtube.com/watch?v=dKEB_zFT63Q</a>	Photo of boiled specimens
60	ASA	Tributary of Kifissos river and Yliki lake	Kifissos river and Yliki lake	Stereia Ellada	76	Kastritsi-Kathariou and Skeparioti, 1990; Katstritsi-Kathariou <i>et al.</i> , 1994	early 1990s	Sample (60 specimens)	
61	ASA	Tsivlou lake	Krathis river	Peloponniso	708	Papakonstantinou, 2003; Laggis <i>et al.</i> , 2017	2003, 2011-2012	<a href="http://kpe-akrat.ach.sch.gr/tsivlos.pdf">http://kpe-akrat.ach.sch.gr/tsivlos.pdf</a> sample (20 specimens-Laggis <i>et al.</i> , 2017)	Translocated from unknown origin during the last 20 years
61	ASA	Tsivlou lake	Krathis river	Peloponniso	708	Current work	2014	<a href="https://www.facebook.com/photo.php?fbid=10202270848004687&amp;set=t.1085990242&amp;type=3&amp;theater">https://www.facebook.com/photo.php?fbid=10202270848004687&amp;set=t.1085990242&amp;type=3&amp;theater</a> and <a href="http://www.kostasladas.com/">http://www.kostasladas.com/</a>	Professional diver Kostas Ladas

62	ASA	Artificial lake Doxa	Stream of Doxa lake	Western Greece	872	Perdikaris, 2009; Laggis <i>et al.</i> , 2017; current work	2007, 2011-2012	<a href="http://www.scubadive.gr/forum/showthread.php?t=3256">http://www.scubadive.gr/forum/showthread.php?t=3256</a> . Sample (23 specimens-Laggis <i>et al.</i> , 2017)	Amateurs Divers Association (no photo). Unknown origin (Laggis <i>et al.</i> , 2017)
62	ASA	Artificial lake Doksa	Stream of Doxa lake	Western Greece	872	Ladas, 2013	2013	photo and <a href="http://www.kostasladass.com/">http://www.kostasladass.com/</a>	Professional diver Kostas Ladas
62	ASA	Artificial lake Doksa	Stream of Doxa lake	Western Greece	872	Current work	2015	<a href="https://www.youtube.com/watch?v=puP0Cf6UYdY">https://www.youtube.com/watch?v=puP0Cf6UYdY</a>	Professional diver Kostas Ladas
63	APT	Springs of Paradeisos, Kavala	Nestos river	Eastern Macedonia and Thrace	36	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2006	Sample (5 specimens-Koutrakis <i>et al.</i> , 2007)	
64	APT	Tributaries of Nestos river	Tributaries of Nestos river	Eastern Macedonia and Thrace	21	Machino and Holdich, 2006	1996	Sample	Unspecified locations
65	APT	Ano Kefalari, Drama	Tributaries of Nestos river	Eastern Macedonia and Thrace	80	Trontelj <i>et al.</i> , 2005	1996?	Sample (1 specimen)	Probably samples collected by Machino and Holdich (2006)
66	APT	Springs of Agia Varvara, Drama	-	Eastern Macedonia and Thrace	96	Current work	2012	<a href="https://www.psarema.gr/sizitiseis/glika-nera/235588-karavides-glykon-neron?limitstart=0">https://www.psarema.gr/sizitiseis/glika-nera/235588-karavides-glykon-neron?limitstart=0</a>	
67,68	APT	Cave Maara (=Cave Alistrati) (67) and Aggitis river (68)	Cave in the Nestos river drainage	Eastern Macedonia and Thrace	48 46	Koutrakis <i>et al.</i> 2003, 2005a,b; Trontelj <i>et al.</i> , 2005	from 1996?	Several samples	Blue colored legs, up to 7800 m in the cave

69	APT	Brook Tsompaniso, north of Mesoropi village, Kavala	Tributary of Marmaras river, Paggaiio mountain	Eastern Macedonia and Thrace	837	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2006	Sample (2 specimens), photos	Isolated mountainous stream with consecutive small pools
70	APT	Kato Nevrokopi	Tributary of Nestos river	Eastern Macedonia and Thrace	566	Machino and Holdich, 2006	1996	Sample	
71	APT	Bathytapos brook, west of Perithorio village	Tributary of Strymonas river	Eastern Macedonia and Thrace	638	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2006	Sample (2 specimens), photos	
72	APT	Ramma, Karidochori, Sidirokastro	Tributary of Strymonas river	Eastern Macedonia and Thrace	566	Trontelj <i>et al.</i> , 2005	1996?	Sample (1 specimen)	Probably samples collected by YM in Machno and Holdich (2006)
73	APT	Krousovitis river, Achladochori	Tributary of Strymonas river	Eastern Macedonia and Thrace	457	Current work	?	<a href="http://frontoffice-mitrousis.dev.edu.uoc.gr/land-and-people/region-achladochori/achladochoriou-wider.html">http://frontoffice-mitrousis.dev.edu.uoc.gr/land-and-people/region-achladochori/achladochoriou-wider.html</a>	
74	APT	Myloi brook, Angistro, Sidirokastro	Tributary of Strymonas river	Eastern Macedonia and Thrace	246	Trontelj <i>et al.</i> , 2005	1996?	Sample (2 specimens)	Probably samples collected by Machno and Holdich (2006)
74	APT	Myloi brook, Angistro (26 km NE of Sidirokastro and 6 km	Tributary of Strymonas river	Eastern Macedonia and Thrace	246	Neophitou <i>et al.</i> , 1993; Machino and Holdich, 2006	1989-1990	Sample correctly identified by Machino and Holdich (2006)	From the springs up to 1600 m

			east of Promachonas village)						
75	APT	Ramma, Akritochori, Sidirokastro	Tributary of Strymonas river	Eastern Macedonia and Thrace	125	Trontelj <i>et al.</i> , 2005	1996?	Sample (1 specimen)	Probably samples collected by Machno and Holdich (2006)
76	APT	Tributaries of Strymonas river	Tributaries of Strymonas river	Eastern Macedonia and Thrace	24	Machino and Holdich, 2006	1996	Sample	Unspecified locations
77	APT	Kerkini lake	Kerkini lake	Eastern Macedonia and Thrace	34	Current work	2013	<a href="http://hellasphotography.blogspot.gr/2013/04/nature-lake-kerkoni.html">http://hellasphotography.blogspot.gr/2013/04/nature-lake-kerkoni.html</a>	
78	APT	Kalochori, Serres	Tributary of Strymonas river	Eastern Macedonia and Thrace	312	Current work	2008	<a href="https://simela.wordpress.com/tag/%CE%BA%CE%B1%CE%BB%CE%BF%CF%87%CF%8E%CF%81%CE%B9-%CF%83%CE%B5%CF%81%CF%81%CF%8E%CE%BD/">https://simela.wordpress.com/tag/%CE%BA%CE%B1%CE%BB%CE%BF%CF%87%CF%8E%CF%81%CE%B9-%CF%83%CE%B5%CF%81%CF%81%CF%8E%CE%BD/</a>	Probably historical presence
79	APT	Axios river and tributaries	Axios river and tributaries	Central Macedonia	26	Balss, 1928; Trontelj <i>et al.</i> , 2005; Machino and Holdich, 2006	1918	Samples	
80	APT	Thessaloniki	-	Central Macedonia	26	Bott, 1972	1972	Sample (4 specimens)	Probably historical record. Unspecified location. According to the Fisheries Dept of Thessaloniki there is no crayfish in this

									peri-urban area
<b>81,82</b>	<b>APT</b>	Nisi, 8 km west of Edessa	Agra lake	Central Macedonia	482	Machino and Holdich, 2006; Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2007	Samples No. 3030 and No. 3061 (2 specimens). One recent specimen from the lake (Koutrakis <i>et al.</i> 2007)	Old specimens at the Vienna museum and the presence of the species was recently confirmed (Koutrakis <i>et al.</i> , 2007)
<b>83</b>	<b>APT</b>	Rivoulet above Rodochori village near Naousa	Drainage of Aliakmonas river, Vermio mountain	Central Macedonia	458	Bott, 1972; Machino and Holdich, 2006	1971	Sample No 5832 (12 specimens)	Collected by Kinzelbach (1986)
<b>84</b>	<b>APT</b>	Brook close to Metamorphosi village	Drainage of Aliakmonas river, Vermio mountain	Central Macedonia	972	Current work	2011	<a href="http://www.tourism.gr/hotels/naousa/231/arxontiko-lidia-lithos/">http://www.tourism.gr/hotels/naousa/231/arxontiko-lidia-lithos/</a>	brook close to a hotel, where visitors are informed that they can walk and even catch crayfish
<b>85</b>	<b>APT</b>	River near Naousa, 5 km below the place mentioned before by Bott	Drainage of Aliakmonas river, Vermio mountain	Central Macedonia	422	Kinzelbach, 1986; Machino and Holdich, 2006	1972	Sample	
<b>86</b>	<b>APT</b>	Brook close to Rachia village, Veroia	Tributary of Aliakmonas river	Central Macedonia	384	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2006	Sample (8 specimens)	
<b>87</b>	<b>APT</b>	River Mornas	Pieria mountains	Central Macedonia	746	Current work	2014	<a href="http://kolindrinamaslatia.blogspot.gr/2014/09/16o.html">http://kolindrinamaslatia.blogspot.gr/2014/09/16o.html</a>	Population probably in threat due to pollution and dam construction
<b>88</b>	<b>APT</b>	Rriver near Litochoro	Olympus mountain, Thermaikos Bay	Central Macedonia	290	Kinzelbach, 1986; Machino and Holdich, 2006	1974	pers. comm. (in Kinzelbach, 1986)	

89	APT	Brook lose to Karya village	Olympus mountain, southern part	Central Macedonia	807	Current work	Before 2013	<a href="http://grperblar.blogspot.gr/2010/05/blog-post_17.html">http://grperblar.blogspot.gr/2010/05/blog-post_17.html</a>	
90,91	APT	Prespes lakes (90) and mountain brooks of Agios Germanos (91)	Prespes lakes watershed	Western Macedonia	850 1 043	Perdikaris, 2009; Perennou <i>et al.</i> , 2009; Krstić 2012; Spirkovski <i>et al.</i> , 2012	2007	Perennou <i>et al.</i> , (2009); Krstić (2012); Spirkovski <i>et al.</i> , (2012).	Local Fisheries Dept. Perennou <i>et al.</i> , (2009) mention that APT was still present during the investigation in all streams and rivers of the Prespa watershed in FYROM (i.e. around Megali Prespa). Krstić (2012) also mentions both species for FYROM. Spirkovski <i>et al.</i> , (2012) mention <i>A.a. balcanicus</i> (ASA) but the picture included in the report clearly shows a APT specimen. Probably both exist in the entire system
92	APT	Springs arround Kratero, Florina	-	Western Macedonia	1 003	Current work	2010	<a href="http://florina-history.blogspot.gr/2010/06/h.html">http://florina-history.blogspot.gr/2010/06/h.html</a>	The old name of the village was Rakovo
93	APT	Nymfaio, Florina	Mountain tributary of Drosopigiotiko river (the "blue crayfish" path)	Western Macedonia	995	Current work	2012	<a href="http://www.tovima.gr/society/article/?aid=467293">http://www.tovima.gr/society/article/?aid=467293</a>	
94	APT	Sklithro, Florina	Tributary of Tripotamos river	Western Macedonia	673	Current work	before 2013	<a href="http://www.aetozis.gr/periohes.swf">http://www.aetozis.gr/periohes.swf</a>	The population probably still present. The year refers to the source
95	APT	Koromilia brook, close to Kastoria	Tributary of Aliakmonas river	Western Macedonia	700	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2006	Sample	

<b>96</b>	<b>APT</b>	Brook in the forest of Mesopotamia	Tributary of Aliakmonas river	Western Macedonia	678	Current work	2014	<a href="https://www.youtube.com/watch?v=chq_ebiDI-Rs">https://www.youtube.com/watch?v=chq_ebiDI-Rs</a>	Video
<b>97</b>	<b>APT</b>	Vogatsiko brook , close to Kastoria	Tributary of Aliakmonas river	Western Macedonia	601	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2006	Sample	
<b>98</b>	<b>APT</b>	Germa brook , close to Kastoria	Tributary of Aliakmonas river	Western Macedonia	805	Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	2006	Sample	
<b>95-98</b>	<b>APT</b>	Unspecified brooks around Kastoria	Tributary of Aliakmonas river	Western Macedonia	700 678 601 805	Current work	2015	<a href="https://www.facebook.com/eppkast">https://www.facebook.com/eppkast</a>	Photo
<b>99</b>	<b>APT</b>	Unspecified mountain brooks of Grevena	Tributary of Aliakmonas river	Western Macedonia	580	Perdikaris, 2009	2006		In the absence of samples, the species is probably APT as the area belongs to the catchment area of river Aliakmonas. Fisheries Dept of Grevena
<b>100</b>	<b>APT</b>	Leivadero, south of Kozani	Tributary of Aliakmonas river	Western Macedonia	944	Perdikaris, 2009			Very close to the ASA populations of northern Thessaly. Fisheries Dept of Kozani
<b>101</b>	<b>APT</b>	Dafni spring	Right bank of Pinios river, Tempi valley	Thessaly	19	Kinzelbach, 1986; Machino and Holdich, 2006	1977	Sample	Probably historical record but the only sample from Thessaly up today (species' southernmost limit)
<b>102</b>	<b>ASL</b>	Ardas river	Tributary of Evros river	Eastern Macedonia	35	Perikaris <i>et al.</i> , 2007	2005	Based on local fishermen (referred in Perdikaris <i>et al.</i> , 2007)	

and Thrace

<b>103</b>	<b>ASL</b>	Pithio trench (close to Orestiada)	Evros river	Eastern Macedonia and Thrace	23	Perikaris <i>et al.</i> , 2007	2005	Based on local fishermen (referred in Perdikaris <i>et al.</i> , 2007)	
<b>104</b>	<b>ASL</b>	Didimotiho	Evros river	Eastern Macedonia and Thrace	19	Perikaris <i>et al.</i> , 2007	2005	Sample	
<b>105</b>	<b>ASL</b>	Mandra river (close to the 78 <sup>th</sup> km starting from drainage)	Tributary of Evros river	Eastern Macedonia and Thrace	16	Machino and Holdich, 2006	1893	Museum sample No. 3093 (1 specimen)	
<b>106</b>	<b>ASL</b>	Near Soufli	Evros river	Eastern Macedonia and Thrace	16	Machino and Holdich, 2006	1893	Museum sample No. 3090 (1 specimen)	Karaman (1963) observed these specimens at the Vienna museum and Koksal (1988) mentioned that the species was found at the river.
<b>107</b>	<b>ASL</b>	Alexandroupoli	Evros river	Eastern Macedonia and Thrace	1	Machino and Holdich, 2006	Late 19th century	Museum sample No. 2873 (4 specimens from Alexandroupolis-Greece and Edirne-Turkey)	
<b>108</b>	<b>ASL</b>	Paradeisos	Nestos river	Eastern Macedonia and Thrace	29	Perdikaris, 2009	2008	Based on locals	The specimens were found in a restaurant (Nisi, Agra lake). Questionable presence in Paradeisos.
<b>109</b>	<b>ASL</b>	Restaurant at Nisi village (Agra lake)	-	Central Macedonia	479	Perdikaris, 2009; Perdikaris and Georgiadis, 2017	2008	Seen by Perdikaris, photo	The specimens were found in a restaurant (Nisi, Agra lake).



110	ASL	lake system of Cheimaditida-Zazari?	Lake system of Cheimaditida-Zazari?	Western Macedonia	606	Perdikaris and Georgiadis, 2017	2011	<a href="http://3gym-ptolem.koz.sch.gr/psaria_b2.htm">http://3gym- ptolem.koz.sch.gr/psaria_b2.htm</a>	Photos (but of unknown source)
111	ASL	Artificial lake Polyphytou	Artificial lake Polyphytou	Western Macedonia	283	Current work	2015	<a href="https://www.youtube.com/watch?v=S55BACQLVew">https://www.youtube.com/watch?v=S55 BACQLVew</a>	Introduced and established. Video with selling ASL to the village Ampelonas (Thessaly).
111	ASL	Artificial lake Polyphytou	Artificial lake Polyphytou	Western Macedonia	283	Current work	2016	<a href="http://www.sentra.com.gr/%CE%B4%CF%85%CF%84%CE%B9%CE%BA%CE%AE-%CE%BC%CE%B1%CE%BA%CE%B5%CE%B4%CE%BF%CE%BD%CE%AF%CE%B1/epikairota/item/11629-%CE%BA%CE%BF%CE%B6%CE%AC%CE%BD%CE%B7-%CE%B6%CF%89%CE%BD%CF%84%CE%B1%CE%BD%CF%8C%CF%82-%CE%B8%CE%B7%CF%83%CE%B1%CF%85%CF%81%CF%8C%CF%82-%CE%BF%CE%B9-%CE%BA%CE%B1%CF%81%CE%B1%CE%B2%CE%AF%CE%B4%CE%B5%CF%82-">http://www.sentra.com.gr/%CE%B4%CF%85%CF%84%CE%B9%CE%BA%CE%AE-%CE%BC%CE%B1%CE%BA%CE%B5%CE%B4%CE%BF%CE%BD%CE%AF%CE%B1/epikairota/item/11629-%CE%BA%CE%BF%CE%B6%CE%AC%CE%BD%CE%B7-%CE%B6%CF%89%CE%BD%CF%84%CE%B1%CE%BD%CF%8C%CF%82-%CE%B8%CE%B7%CF%83%CE%B1%CF%85%CF%81%CF%8C%CF%82-%CE%BF%CE%B9-%CE%BA%CE%B1%CF%81%CE%B1%CE%B2%CE%AF%CE%B4%CE%B5%CF%82-</a>	Flurishing population, exploited and exported catches to NW Europe

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112	ASL	Ampelonas, Larissa	Pinios river	Thessaly	57	Current work	2014	<u><a href="http://ampelwnaslarisas.blogspot.gr/2015/02/blog-post_572.html">http://ampelwnaslarisas.blogspot.gr/2015/02/blog-post_572.html</a></u>	Rather established population. Photo.
113	ASL	Pinios river	Pinios river	Thessaly	59	Koutrakis <i>et al.</i> , 2007	1980s	Based on Palaiokostas A. (pers. comm.)	Unspecified location.
114,	ASL	Pamvotida lake	Pamvotida lake	Epirus	467	Perdikaris and Georgiadis,	2015	Sample (2 specimens)	Translocated.
115					467	2017			
116	ASL	Resturant on Nisi (lake Pamvotida)	-	Epirus	467	Current work	2013	<u><a href="https://www.youtube.com/watch?v=tKHRDMm4kDA">https://www.youtube.com/watch?v=tKHRDMm4kDA</a></u>	In aquarium with PFL
117	PFL	Artificial lake Agra	Artificial lake Agra	Central Macedonia	479	Kevrekidis <i>et al.</i> , 1999- unidentified; Evaggelidis, 2001-unidentified; Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	1999-2008	Sample (Koutrakis <i>et al.</i> , 2007)	Established and commercially exploited population

117	PFL	Artificial lake Agra	Artificial lake Agra	Central Macedonia	479	Current work	2012	<a href="https://www.youtube.com/watch?v=jbEFWGBMuQc">https://www.youtube.com/watch?v=jbEFWGBMuQc</a>	Local fest
118	PFL	Outflow stream of artificial lake Agra	Aliakmonas river	Central Macedonia	34	Current work	2013	CP visit and info from locals	It has escaped from the outflow of lake Agra. Probably established population in river Aliakmonas at least down to the city of Skydra
119	PFL	Upper segment of Kalamas river	Kalamas river	Epirus	379	Theocharis, 1986; Koutrakis <i>et al.</i> , 2007; Perdikaris, 2009	1982, 1987	Based on Theocharis (1986) and Paschos pers. comm. (in Koutrakis <i>et al.</i> , 2007)	Unsuccessful introductions at least in two occasions (from Sweden, Germany)
120	PFL	Restaurant at Nisi (Pamvotida lake)	-	Epirus	467	Current work	2013	<a href="https://www.youtube.com/watch?v=tKHRDMM4kDA">https://www.youtube.com/watch?v=tKHRDMM4kDA</a>	In aquarium with ASL. Not confirmed yet in the lake

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