

New Records of the Supralittoral Species of the Genus *Cercyon*  
(Coleoptera, Hydrophilidae) from the Peripheral Islands  
off Hokkaido, Japan

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**Abstract** Six supralittoral species of the genus *Cercyon* (*Cercyon*), *C. (C.) aptus*, *C. (C.) algarum*, *C. (C.) dux*, *C. (C.) numerosus*, *C. (C.) setulosus*, and *C. (C.) symbion*, are recorded for the first time from the peripheral Islands off Hokkaido, Japan.

Terrestrial hydrophilid beetles from Eastern Asia are rather poorly known. Despite the recent works by SHATROVSKIY (1989, 1992) and ÔHARA & JIA (2006), their distribution in the region remains unsatisfactorily studied. Under a series of taxonomic studies on the supralittoral species of the genus *Cercyon*, I have had the opportunity to examine specimens housed in the collection of the Systematic Entomology, Hokkaido University Museum, and also to collect them myself from under sea weed on the shore line of the peripheral islands off Hokkaido, Japan. The islands in question are Rebun-tô, Rishiri-tô, Teuri-tô, Yagishiri-tô, Okushiri-tô and Daikoku-jima Islands (Fig. 1). Six species, *Cercyon (Cercyon) aptus*, *C. (C.) algarum*, *C. (C.) dux*, *C. (C.) numerosus*, *C. (C.) setulosus* and *C. (C.) symbion* are newly recorded from the islands, and their records are presented herein.

*Collecting data.* Locality (Fig. 1) — Japan: off Hokkaido. Beach profile — SA: sandy beach. SH: shingle beach. CO: cobble beach.

[Rishiri-tô] RI-94-MO-001/CO: Fujino (45° 15' 17" N 141° 12' 07" E), Kutsugata, 26-VII-1994, M. ÔHARA leg., under sea weed. RI-94-MO-002/SA: Kanasaki (45° 08' 01" N 141° 18' 27" E), Oniwaki, 28-VII-1994, M. ÔHARA leg., under sea weed on sandy beach.

[Rebun-tô] RE-94-MO-005/SA: Ôsawa (45° 25' 59" N 141° 00' 49" E), Fundomari, 27-VII-1994, M. ÔHARA leg., under sea weed on sandy beach.

[Teuri-tô] TE-08-MO-006/SH: Maehama (44° 25' 55" N 141° 20' 08" E), 14-VI-2008, M. ÔHARA leg., under sea weed. TE-08-MO-007/SH-CO: Aikage (44° 25' 07" N 141° 19' 16" E), 15-VI-2008, M. ÔHARA leg., under sea weed.

[Yagishiri-tô] YA-08-MO-010/SH: Yagishiri (44° 26' 02" N 141° 25' 41" E), 16-VI-2008, M. ÔHARA leg., under sea weed.

[Okushiri-tô] OK-08-MO-014/SH-CO: Okushiri ( $42^{\circ} 10' 12''$  N  $139^{\circ} 31' 00''$  E), 12-VII-2008, M. ÔHARA leg., under sea weed. OK-08-MO-015/SA: Tomisato ( $42^{\circ} 04' 18''$  N  $139^{\circ} 28' 17''$  E), 13-VII-2008, M. ÔHARA leg., under sea weed. OK-08-MO-016/SA-SH: Monai ( $42^{\circ} 06' 00''$  N  $133^{\circ} 25' 30''$  E), 13-VII-2008, M. ÔHARA leg., under sea weed. OK-08-MO-018/SA: Yamase-domari ( $42^{\circ} 12' 03''$  N  $139^{\circ} 32' 24''$  E), 13-VII-2008, M. ÔHARA leg., under sea weed on sandy beach.

[Daikoku-jima] DA-05-MO-001/SH-CO:  $42^{\circ} 57.39' N 144^{\circ} 52.11' E$ , 12-VII-2005, M. ÔHARA leg. DA-05-MO-005/SH-CO:  $42^{\circ} 57.39' N 144^{\circ} 52.11' E$ , 12-VII-2005, M. ÔHARA leg. DA-05-MO-006/SH:  $42^{\circ} 57.59' N 144^{\circ} 52.28' E$ , 12-VII-2005, M. ÔHARA leg. DA-05-MO-007/SA:  $42^{\circ} 57.75' N 144^{\circ} 52.34' E$ , 13-VII-2005, M. ÔHARA leg. DA-05-MO-009/SH-CO:  $42^{\circ} 57.39' N 144^{\circ} 52.11' E$ , 30-VII-2005, M. ÔHARA leg., from under sea weed. DA-08-MO-025/SA:  $42^{\circ} 57' 47'' N 144^{\circ} 52' 20'' E$ , 13-VIII-2008, M. ÔHARA leg., from under sea weed (*Laminaria*, *Sarrugasum*) and eel grass (*Zostera*).

### *Cercyon (Cercyon) algarum* SHARP, 1873

*Cercyon algarum* SHARP, 1873, 65 [Japan: Kyushu (Nagasaki: Amakusa)]. — SATÔ, 1989, 242 [Hokkaido, Honshu, Izu Islands (Hachijô-jima), Kyushu]. — SHATROVSKIY, 1989, 281.

*Cercyon (Cyceron) algarum*: SHATROVSKIY, 1992, 366 [Kunashir].

*Cercyon (Cercyon) algarum*: HANSEN, 1999, 275.

*Specimens examined*. RI-94-MO-001/CO (14 exs.); RI-94-MO-002/SA (1 ex.); TE-08-MO-006/SH (2 exs.); TE-08-MO-007/SH-CO (22 exs.); YA-08-MO-010/SH (24 exs.); OK-08-MO-015/SA (11 exs.); OK-08-MO-016/SA-SH (19 exs.); DA-08-MO-025/SA (9 exs.).

*Distribution*. Japan (Hokkaido: proper, Rishiri-tô, Teuri-tô, Yagishiri-tô, Okushiri-tô, Daikoku-jima; Honshu; Shikoku; Izu Isls.: Hachijô-jima; Kyushu). Kuril Islands (Kunashir). New to Rishiri-tô, Teuri-tô, Yagishiri-tô, Okushiri-tô and Daikoku-jima.

### *Cercyon (Cercyon) aptus* SHARP, 1873

*Cercyon aptus* SHARP, 1873, 65 [Japan: Honshu and Kyushu]. — SATÔ, 1989, 242 [Shikoku]. — KILS, 1999, 177 [Hokkaido].

*Cercyon (Cercyon) aptus*: ÔHARA & JIA, 2006, 131.

*Specimens examined*. RI-94-MO-002/SA (1 ex.); RE-94-MO-005/SA (14 exs.); OK-08-MO-018/SA (25 exs.); DA-08-MO-025/SA (10 exs.).

*Distribution*. Japan (Hokkaido: proper, Rishiri-tô, Rebun-tô, Okushiri-tô, Daikoku-jima; Honshu; Shikoku; Kyushu). Kuril Islands (Kunashir, Itrup, Urup, Chirpoi). New to Rishiri-tô, Rebun-tô, Okushiri-tô and Daikoku-jima.

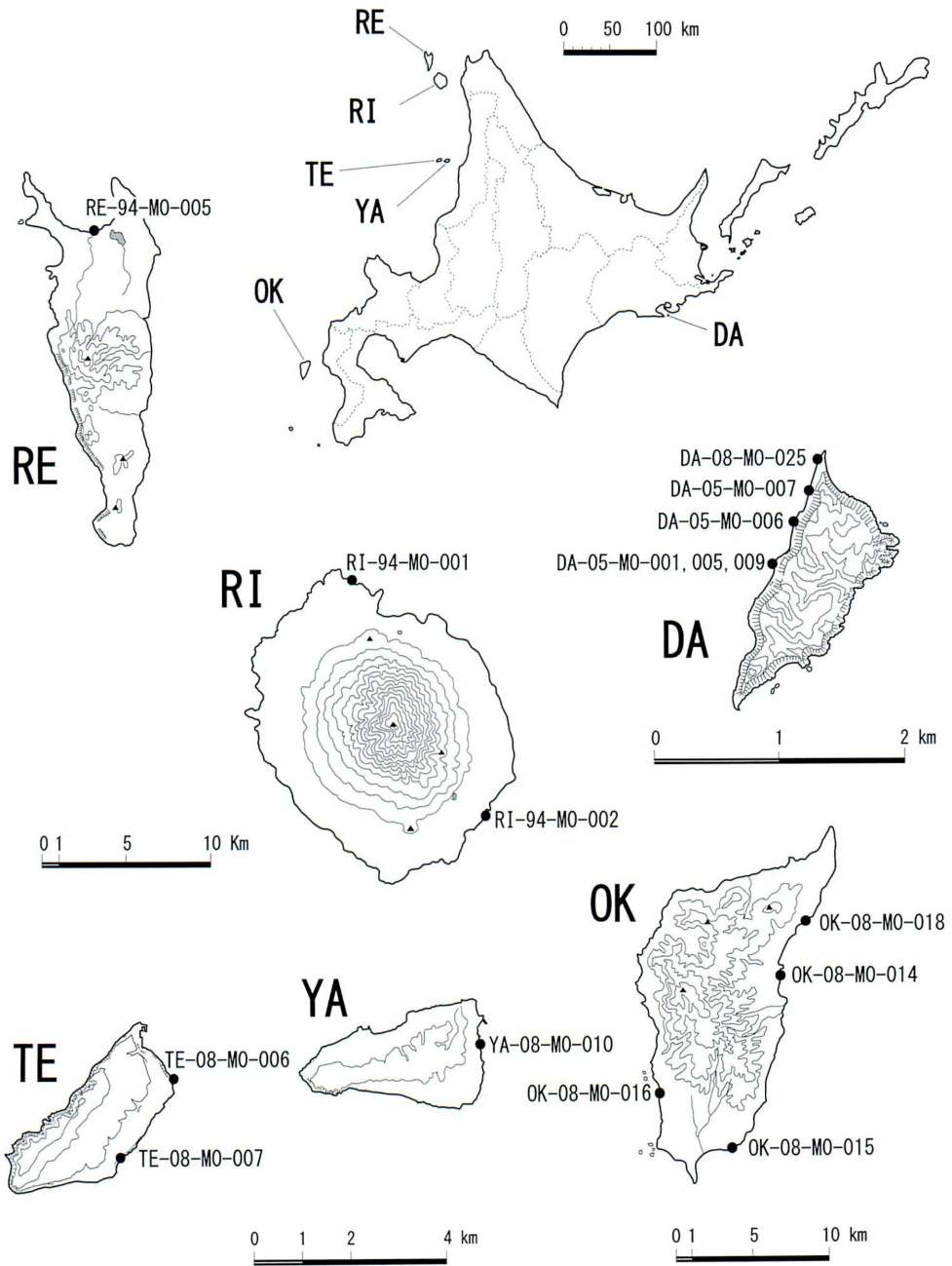


Fig. 1. Map showing the collecting sites on the peripheral islands off Hokkaido, Japan. — RI: Rishiri-tô; RE: Rebun-tô; TE: Teuri-tô; YA: Yagishiri-tô; OK: Okushiri-tô; DA: Daikoku-jima.

Table 1. Distribution of the supralittoral species of the genus *Cercyon* from the peripheral islands off Hokkaido, Japan. The species are ordered alphabetically.

	RI	RE	TE	YA	OK	DA
<i>Cercyon (Cercyon) algarum</i>	●		●	●	●	●
<i>C. (C.) aptus</i>	●	●			●	●
<i>C. (C.) dux</i>	●	●	●	●	●	●
<i>C. (C.) numerosus</i>	●				●	●
<i>C. (C.) setulosus</i>	●		●	●		●
<i>C. (C.) symbion</i>	●					●

RI: Rishiri-tô [利尻島]; RE: Rebun-tô [礼文島]; TE: Teuri-tô [天売島]; YA: Yagishiri-tô [焼尻島]; OK: Okushiri-tô [奥尻島]; DA: Daikoku-jima [大黒島].

### *Cercyon (Cercyon) dux* SHARP, 1873

*Cercyon dux* SHARP, 1873, 65 [Japan: Kyushu (Nagasaki: Amakusa)]. — SATÔ, 1981, 213 [Hokkaido, Honshu, Shikoku, Kyushu]; 1989, 243 [Kyushu: Oki-no-shima].

*Cercyon (Cyceron) dux*: SHATROVSKIY, 1992, 366.

*Cercyon (Cercyon) dux*: HANSEN, 1999, 278.

*Specimens examined.* RI-94-MO-001/CO (2 exs.); RI-94-MO-002/SA (1 ex.); RE-94-MO-005/SA (2 exs.); 1 ex., Rebun Is., 22-VI-1996, S. AKIMOTO, under sea weed; TE-08-MO-006/SH (5 exs.); TE-08-MO-007/SH-CO (23 exs.); YA-08-MO-010/SH (3 exs.); OK-08-MO-014/SH-CO (3 exs.); OK-08-MO-015/SA (16 males and 17 females); OK-08-MO-016/SA-SH (4 males and 4 females); DA-05-MO-001/SH-CO (4 males and 2 females); DA-05-MO-005/SH-CO (3 males); DA-08-MO-025/SA (2 males and 1 female); Daikoku-jima, 30-VII-2005, T. ITO (1 male and 1 female).

*Distribution.* Japan (Hokkaido: proper, Rishiri-tô, Rebun-tô, Teuri-tô, Yagishiri-tô, Okushiri-tô, Daikoku-jima; Honshu; Shikoku; Izu Is.: Hachijô-jima; Kyushu: proper, Oki-no-shima). Southern Kurils (?). New to Rishiri-tô, Rebun-tô, Teuri-tô, Yagishiri-tô, Okushiri-tô and Daikoku-jima.

### *Cercyon (Cercyon) numerosus* SHATROVSKIY, 1989

*Cercyon numerosus*: KILS, 1999, 177 [Hokkaido].

*Cercyon (Cercyon) numerosus*: ÔHARA & JIA, 2006, 134.

*Specimens examined.* RI-94-MO-002/SA (5 males); OK-08-MO-014/SH-CO (4 males); DA-05-MO-001/SH-CO (2 males); DA-05-MO-006/SH (2 males); DA-05-MO-009/SH-CO (2 males).

*Distribution.* Japan (Hokkaido: proper, Rishiri-tô, Okushiri-tô and Daikoku-jima; Kyushu); Kuril Islands (Urup, Chirpoi, Simushir); Russian Fed. (Far East). New to Rishiri-tô, Okushiri-tô and Daikoku-jima.

*Cercyon (Cercyon) setulosus* SHARP, 1884

*Cercyon setulosus* SHARP, 1884, 458 [Japan]. — SATÔ, 1989, 243 [Hokkaido, Honshu, Tsushima Islands].  
*Cercyon (Cercyon) setulosus*: ÔHARA & JIA, 2006, 139.

*Specimens examined.* RI-94-MO-001/CO (8 exs.); RI-94-MO-002/SA (10 exs.); TE-08-MO-007/SH-CO (1 ex.); YA-08-MO-010/SH (20 exs.); DA-05-MO-001/SH-CO (4 exs.); DA-05-MO-005/SH-CO (29 exs. and 1 male); DA-05-MO-006/SH (2 exs.); DA-05-MO-007/SA (1 ex.); DA-05-MO-009/SH-CO (1 ex.); DA-08-MO-025/SA (8 exs.).

*Distribution.* Japan (Hokkaido: proper, Rishiri-tô, Teuri-tô, Yagishiri-tô, Daikoku-jima; Honshu; Tsushima Isls.). Russian Fed. (Far East: Primorsky Krai). Kuril Islands (Shikotan, Kunashir, Urup, Ekarma). New to Rishiri-tô, Teuri-tô, Yagishiri-tô and Daikoku-jima.

*Cercyon (Cercyon) symbion* SHATROVSKIY, 1989

*Cercyon symbion*: KILS, 1999, 177 [Hokkaido].  
*Cercyon (Cercyon) symbion*: ÔHARA & JIA, 2006, 140.

*Specimens examined.* RI-94-MO-002/SA (2 males); DA-05-MO-001/SH-CO (1 male); DA-05-MO-005/SH-CO (5 males).

*Distribution.* Japan (Hokkaido: proper, Rishiri-tô, Daikoku-jima; Kyushu). Kuril Islands (Shikotan, Kunashir, Itrup, Urup, Alaid, Kharimkotan, Paramushir, Shumushu). Russian Fed. (Primorsky Krai, Sakhalin). New to Rishiri-tô and Daikoku-jima.

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## 要 約

大原昌宏：北海道周辺の島々における海浜性ケンガムシ属（鞘翅目，ガムシ科）の分布記録。——北海道周辺の利尻島，礼文島，天売島，焼尻島，奥尻島，大黒島を調査し，海浜性ケンガムシ属 *Cercyon* の6種，コケンガムシ *Cercyon (Cercyon) aptus*，ヒメケンガムシ *C. (C.) algarum*，フチトリケンガムシ *C. (C.) dux*，エゾケンガムシ *C. (C.) numerosus*，ナガケンガムシ *C. (C.) setu-*

*losus*, キタケシガムシ *C. (C.) symbion* について, 島別の分布を記録した.

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