

FIS Paper Session

Co-Convenors: Yukimasa Ishida (Japan) and Gordon H. Kruse (U.S.A.)

Papers on all aspects of fishery oceanography in the North Pacific and its marginal seas are invited.

Wednesday, October 5, 2005 14:00-18:00

- 14:00-14:20 **Gennady A. Kantakov and Sergey D. Bukin** (Oral)
Oceanographical conditions changing and *Pandalus borealis* redistribution in the northern part Sea of Japan (FIS_Paper-2517)
- 14:20-14:40 **Yuri Yu. Nikonov, Andrey S. Krasnenko and Valeriy N. Chastikov** (Oral)
Numerical analysis of the *Paralithodes brevipes* larvae migration in the Southern-Kurile strait's region (FIS_Paper-2305)
- 14:40-15:00 **John R. Bower** (Oral)
Paralarval distribution patterns of the gonatid squid *Berryteuthis anonychus* in the North Pacific (FIS_Paper-2476)
- 15:00-15:20 **Yeong Gong** (Oral)
Productivity of common squid, *Todarodes pacificus* in Korean waters and its adjacent regions (FIS_Paper-2591)
- 15:20-15:40 **Hyoung-Chul Shin, Don Hyug Kang and Yoon-Seon Yang** (Oral)
Fate of the common squid population in Korean waters; a natural oceanographic experiment over various time scales (FIS_Paper-2495)
- 15:40-16:00 **Eun Jung Kim, Suam Kim, Dae-Yeon Moon and Jeong-Rack Koh** (Oral)
The vertical and horizontal distribution of bigeye (*Thunnus obesus*) and yellowfin tuna (*Thunnus albacares*) related to ocean structure (FIS_Paper-2518)
- 16:00-16:20 **Coffee Break**
- 16:20-16:40 **Toshiyuki Konishi, Hidetada Kiyofuji and Sei-Ichi Saitoh** (Oral)
Predictability of Pacific saury fishing grounds in the Northwestern North Pacific using satellite remote sensing data (FIS_Paper-2282)
- 16:40-17:00 **Oleg Bulatov** (Oral)
The Bering Sea pollock and regime shifts (FIS_Paper-2272)
- 17:00-17:20 **Alexei M. Orlov and Andrei N. Stroganov** (Oral)
Prerequisite of the study of Pacific cod population structure (FIS_Paper-2231)
- 17:20-17:40 **George Shevchenko and Olga Shershneva** (Oral)
Monitoring of SST in the areas adjacent to the river mouths of Sakhalin applied to the problem of fry salmon release (FIS_Paper-2269)
- 17:40-18:00 **Hyunju Seo, Suam Kim, Sukyung Kang and Kibeik Seong** (Oral)
A new estimation of salmon return rate and its use in environmental studies (FIS_Paper-2519)

Thursday, October 6, 2005 14:00-17:00

- 14:00-14:20 **Vladimir A. Rakov, Valentina V. Goncharova and Yulia V. Zavertanova** (Oral)
Monitoring of macrobenthos and larvae of fish at the Vrangal Bay (Sea of Japan) (FIS_Paper-2413)
- 14:20-14:40 **Hyejin Song, Gun Wook Baeck and Suam Kim** (Oral)
Food and feeding of the common squid *Todarodes pacificus* (Cephalopoda: Ommastrephidae) off Busan, Korea (FIS_Paper-2355)
- 14:40-15:00 **Vadim F. Savinykh, Natalya S. Kosenok and Mikhail A. Zuev** (Oral)
Distribution and feeding of Japanese flying squid in the subarctic boundary zone (FIS_Paper-2615)
- 15:00-15:20 **Hiroshi Kubota, Yoshioki Oozeki and Ryo Kimura** (Oral)
Feeding ecology of larval and juvenile black snake mackerel (*Nealotus tripes*, Gempylidae) and their roles in the fish communities of the Kuroshio Extension Region (FIS_Paper-2449)
- 15:20-15:40 **Dongwha Sohn, Sukyung Kang and Suam Kim** (Oral)
Comparison of otolith microchemistry between chum salmon (*Oncorhynchus keta*) and cherry salmon (*Oncorhynchus masou*) in Korean waters (FIS_Paper-2345)
- 15:40-16:00 **Jong-Hun Na, Zang Geun Kim, Hawsun Sohn and Chang Ik Zhang** (Oral)
Age and growth of minke whale *Balaenoptera acutorostrata*, studied from bycatches in Korean waters (FIS_Paper-2601)
- 16:00-16:20 **Coffee Break**
- 16:20-16:40 **David Welch, Peggy Tsang, Jayson Semmens, Sonia Batten and R. Scott McKinley** (Oral)
Performance of the POST (Pacific Ocean Shelf Tracking) array in 2004-05, and plans for the future (FIS_Paper-2421)
- 16:40-17:00 **Konstantin A. Karyakin** (Oral)
The use of the "Orca Sphere" device in bottom longline fishery in the Okhotsk Sea (FIS_Paper-2602)

Posters

K.I. Afanasyev, G.A. Rubtsova, T.V. Malinina, E.A. Salmenkova, V.T. Omelchenko and L.A. Zhiotovskiy
Monitoring of Pacific salmon *Oncorhynchus keta* W. in the Sakhalin-Kuril Islands region using DNA markers (FIS_Paper-2256)

Nadezhda L. Aseeva
Change of Myxozoa life strategy in the Japan/East Sea in XX Century (FIS_Paper-2568)

Nadezhda L. Aseeva
Myxozoa parasites in the fishes of the Japan Sea (FIS_Paper-2577)

Alexander A. Bonk
The loss of herring developing eggs in spawning grounds in the western Bering Sea (FIS_Paper-2311)

Oleg Bulatov and Georgiy Moiseenko
The Bering Sea pollock stock assessment using GIS "Fishery" (FIS_Paper-2291)

Svetlana V. Davydova
Interdecadal variations of the masses subtropical fishes reproduction and their influence on ichthyoplankton community of northwestern Japan/East Sea (FIS_Paper-2365)

Elena E. Andreeva, Svetlana V. Davydova and Marina A. Shebanova

Species composition, distribution and food habits of ichthyoplankton in the Okhotsk Sea in summer-autumn, 2003-2004 (FIS_Paper-2333)

Yeong Gong and Young-Sang Suh

Effect of the environmental conditions on the structure and distribution of Pacific saury in the Tsushima Warm Current region (FIS_Paper-2593)

Elena V. Gritsay

The northern Bering Sea pollock fishery in 2004 (FIS_Paper-2318)

Soto-o Ito and Yukimasa Ishida

Species identification and age determination of Pacific salmon (*Oncorhynchus* spp.) by scale patterns (FIS_Paper-2380)

Victor A. Nazarov, Boris I. Ivanov and Nikolay A. Chernykh

Changes of fish communities in estuaries of the Peter the Great Bay during the 20-21st centuries (FIS_Paper-2527)

Yeong Hye Kim, Dong Woo Lee, Jae Bong Lee, Kwang Ho Choi, Young Seop Kim, In Ja Yeon, Byung Kyu Hong and Soon Song Kim

Age and growth of the yellow croaker, *Larimichthys polyactis* in the East China Sea (FIS_Paper-2323)

Nikolai V. Kolpakov

Interannual variability of species composition and structure of circumlittoral fish community of Russkaya Bay (northern Primorye, Sea of Japan) (FIS_Paper-2392)

Svetlana Davydova, A. Zhigalin and N. Kuznetsova

About species composition and distribution of ichthyoplankton in the northwestern part of Pacific Ocean (FIS_Paper-2364)

You Jung Kwon, Dae Yeon Moon and Chang Ik Zhang

Stock assessment of bigeye tuna (*Thunnus obesus*) in the Pacific using the AD model builder (FIS_Paper-2444)

Victor A. Nazarov

Composition and proliferation of mullets in far-eastern seas of Russia during the XX-XXI centuries (FIS_Paper-2549)

G.V. Avdeev and E.E. Ovsyannikov

The northern Okhotsk Sea pollock year-classes abundance (FIS_Paper-2313)

S.L. Ovsyannikova

Walleye pollock distribution and migrations in the south Kuril region in 1999-2004 (FIS_Paper-2315)

Andrew B. Savin

Seasonal migrations of Pacific cod (*Gadus macrocephalus*, Gadidae) nearshore of Kamchatka peninsula (FIS_Paper-2304)

Victor A. Nazarov, Eugene I. Barabanshchikov, Nikolay A. Chernykh, Alexander A. Goryainov, Boris I. Ivanov, Nikolay I. Krupyanko, Anatoly Yu. Semenchenko, Vladimir I. Tarazanov and Sergey F. Zolotukhin

Characteristics of salmon association in the Sea of Japan's EEZ of Russia on boundary of the 20-21st centuries (FIS_Paper-2528)

Alisa V. Semina, Neonila E. Polyakova and Vladimir A. Brykov

Genetic divergence in daces of the *Tribolodon* genus (Teleostei: Cyprinidae) from Far Eastern seas (FIS_Paper-2308)

Young Il Seo, Jin Yeong Kim, Joo Il Kim, Sung Tae Kim, Chang Ik Zhang and Jae Bong Lee
Assessing the impact of yellow goosefish predation on small yellow croaker in the East China Sea of Korea (FIS_Paper-2399)

E.I. Barabanshchikov, N.V. Kolpakov and M.E. Shapovalov
Appraisal of striped mullet (*Mugil cephalus*) stock near-shore of Primorye (FIS_Paper-2524)

Marina A. Shebanova
Feeding of juvenile *Cololabis saira* in waters of Peter the Great Bay (Sea of Japan) (FIS_Paper-2334)

Hirofumi Shimizu, Kiyoshi Fujita and Yoshioki Oozeki
Bone abnormality of pacific saury larvae *Cololabis saira* (FIS_Paper-2329)

M.A. Stepanenko and E.V. Gritsay
Effects of 2000 year class for recruitment Pollock in the eastern Bering Sea (FIS_Paper-2314)

Katsuya Suzuki, Tsutomu Takagi, Shinsuke Torisawa, Hiromu Fukuda, Osamu Murata, Shinji Yamamoto and Kazushi Miyashita
Evaluating the roles of vision and the lateral line in the schooling behavior of chub mackerel (*Scomber japonicus*) using a mathematical model (FIS_Paper-2417)

Inja Yeon, Yangjae Im, Hakjin Hwang and Myoungsohn Sohn
Current status of the Yellow Sea fisheries resources and management in Korea (FIS_Paper-2545)

Hakjin Hwang, Inja Yeon, Yangjae Im and Myoungsohn Sohn
Current stock conditions of yellow croaker, *Pseudosciaena manchurica*, in the Yellow and East China seas (FIS_Paper-2586)

Inja Yeon, Yangjae Im, Myoungsohn Sohn, Hakjin Hwang and Manwoo Lee
Morphological identification of subpopulations of the blue crab, *Portunus trituberculatus*, in the western sea of Korea (FIS_Paper-2585)