



Howe Sound

PULP AND PAPER LIMITED PARTNERSHIP

NEWS & VIEWS • JULY 2007

IN THE COMMUNITY

Sea Cavalcade Logger Sports:

Heritage and heart-stopping action!

Logger sports have been a part of the annual Sea Cavalcade Festival since its inception 39 years ago. "It's a part of our culture and heritage here on the Sunshine Coast," says Conchita Harding, chair of the Sea Cavalcade Committee. This year the logger sports will be land-based, which has the advantage of giving the public more access to the contestants and contests. "Now the public can be close to it," Conchita enthuses. "They'll be able to feel the adrenalin rushing through their veins!" Women's and men's events, plus lots of great prizes like custom chainsaw carvings, should inspire even the armchair logger to take up axe throwing! Howe Sound Pulp and Paper is a sponsor of the Logger Sports.

Date: Sunday, July 29
Time: Noon - 2:30 pm
Location: Winegarden Park, Gibsons

Sunshine Coast Festival of the Written Arts

This year, Howe Sound is sponsoring writer Richard Van Camp at the annual Festival of the Written Arts. A member of the Dogrib First Nation from Fort Smith, NWT—Van Camp is the author of children's books, novels, short stories, and radio plays. He's also written for the CBC television series North of 60 and recently co-wrote a short movie. His novel, *The Lesser Blessed*, opens readers' eyes to the world experienced by Larry, a Dogrib teenager growing up in the fictional, small northern town of Fort Simmer. Tickets for the festival may be purchased by telephone (604-885-9631 or toll free 1-800-565-9631) or in person at 5511 Shorncliffe Avenue in Sechelt.

Date: Sunday, August 12
Time: 2:30 pm
Location: Rockwood Gardens, Sechelt

QUICK FACT

So far this year, Howe Sound's shipping department has loaded over 300,000 metric tonnes of kraft pulp and newsprint. The busiest month was April. In those 30 days, 46,247 tonnes of kraft pulp and 24,202 tonnes of newsprint were stowed on vessels headed to points around the globe.

CONTACT US

Howe Sound's News & Views is published once a month in the Coast Reporter. Issues are also available on our website at www.hspp.ca.

Questions? Comments?

We'd like to hear from you! You can call or email Tina Sebert, Community Relations Assistant.
Tel: 604-884-2575 • Email: hsppcomments@hspp.ca

Shipping kraft pulp to China

Captain Jadran Andrijasevic has been coming to Port Mellon for 13 years on board the 187-meter vessel *Osprey Arrow*. His command is one of a fleet of ocean-faring vessels operated by Gearbulk—Howe Sound's main carrier of kraft pulp to China.

On a monthly basis, Gearbulk ships transport our pulp across the Bering Sea, down the coast of Russia, between the two islands of Hokkaido and Honshu in Japan, and to the ports of Shanghai and Qingdao in China. A one-way trip takes about 14 days.

"We like pulp—there are no hard or sharp edges," says Captain Andrijasevic. And because it is a unitized cargo, contained on pallets, it loads quickly. "We also know that the shipping crew here is very good. They make a tight stow." When the holds are full (16,341 tonnes will be loaded over the next three days), there will be no space left open large enough to squeeze a man in. Even small voids in the cargo are filled with air bags.

Shifting loads are a real danger—winter storms on the north Pacific can generate waves of 12 meters and, according to Captain Andrijasevic, storms are increasing in frequency. Specialty vessels, built for the cargo they transport, mitigate the danger; the *Osprey Arrow*, for example, has been outfitted with small

holds that are well suited to the north Pacific trade. Besides pulp, she also carries liquid pitch (which must be kept heated to 200 degrees Celsius), lumber, steel, manufactured goods, and other cargo.

For entertainment, the 22 to 28 person crew has a gym and a large-screen TV for watching movies. There is also an officers' lounge (off-shift access only!) and an extensive library. Still, hours on board can be long—especially since increased port security has put tight controls on who can board and leave the vessel.

"There are some limitations to this life," Captain Andrijasevic admits. His current schedule of four months at sea and then four months at home in his native Croatia is one of contrasts. "When I am home, I am solely a family man," Captain Andrijasevic explains. But once he is back on board he takes on many roles. "I am sea captain of the *Osprey Arrow*, but I am also judge, counselor, medical attendant, and policeman to the crew."



Captain Jadran Andrijasevic of the Gearbulk vessel *Osprey Arrow* began his seafaring career 30 years ago when crews were sometimes required to spend over a year and a half on board ship.

The *Osprey Arrow* is scheduled to return to Port Mellon in two months, when it once again will transport a shipment of our kraft pulp to China.



Howe Sound's shipping crew makes sure that the hold is tightly filled (with no voids), alternating the loading pattern so that there are no chimneys or stacks that might make the load unstable.

Effluent treatment —single-celled dynamos do the work

When water is released from a natural body of water or from a human-made structure, it is called "effluent." In order to make effluent safe to release from an industrial source, it usually needs to be treated. At Howe Sound, the water we use at the mill goes through four treatment phases.

First the effluent runs through a primary clarifier, where the solids settle from the water and are raked out; from there it is transported to a cooling tower that takes the temperature to a comfortable level for the bacteria in the secondary treatment system; then on to our secondary treatment system (called the UNOX); and finally into second-

ary clarifiers, where it is held while the bacteria sink out and are collected.

Howe Sound's UNOX is similar to most municipal systems—millions of bacteria eat the organic material out of the effluent. Siew Sim, Howe Sound's environment specialist, describes the UNOX as an aquarium. "Oxygen, food, temperature, and pH are optimally balanced to support life. Howe Sound's UNOX uses pure oxygen so



the bacteria get the job done quickly. It makes for a dynamic system that works in a concentrated area." In this super-charged environment the bacteria do their work in hours, rather than days.

Howe Sound conducts regular studies to determine the impact of its operation on the waters and sea life of Howe Sound. The most recent study found that Howe Sound's waste water discharge is having no measurable impact on water quality and fish.

Photo above: Students from UBC's environmental engineering and mechanical engineering programs recently came to Howe Sound to see the wastewater treatment system. "We have a lot of training in municipal wastewater treatment, and we wanted to see the similarities and differences of an industrial operation," says Andrea Miskelly, a master's student in the Pollution Control Waste Management Group.

Clip & Save

SUMMER MILL TOUR SCHEDULE

For the months of July and August, Howe Sound Pulp and Paper will be hosting mill tours every Tuesday and Thursday at 10 am. To reserve your space on a tour call Tina Sebert at 604-884-2575 or email tours@hspp.ca.

- Reservations required
- Minimum age 12 years
- Tours involve a 1.5 kilometer walk and several flights of stairs
- Flat, enclosed footwear required
- Duration is about 2 hours

Please be aware tours are in an actively-operating mill requiring safety precautions, appropriate clothing, and a certain level of fitness and mobility.