

DIRECTORY OF TUGS

OF THE CANDIAN NAVY VILLE CLASS

Second generation: by Hans van der Ster – Marcol production

The **Ville Class** is a class of naval harbour tugboat operated by the Canadian Armed Forces. The five vessels are divided between the two fleets of Maritime Command with three assigned to Maritime Forces Atlantic and two assigned to Maritime Forces Pacific.



Canadian Forces Base Halifax (CFB Halifax) is Canada's East Coast Navy base and home port to the Atlantic fleet, known as Maritime Forces Atlantic. It is presently the largest Canadian Force Base in terms of the number of posted personnel and is formed from an amalgamation of military properties situated around the strategic Halifax Harbour in Nova Scotia.

Canadian Forces Base Esquimalt (CFB Esquimalt) is Canada's West Coast Navy base and home port to the Pacific fleet, known as Maritime Forces Pacific. It occupies approximately 41 square kilometres (10,000 acres) at the southern tip of Vancouver Island on the Strait of Juan de Fuca in and around the municipality of Esquimalt British Columbia just west of the provincial capital, Victoria.

Listerville, Merrickville and Maryville are based in CFB Halifax on Canada's East Coast.; Lawrenceville and Parksville are based in CFB Esquimalt.

The **Ville class** tugboats, or YTLs, are small but powerful harbour craft. The **Ville class** tugs are also quite low-slung vessels which makes them ideal for harbour work, such as the tight manoeuvring and delicate nudging required to ease a large and heavy (but low) **Victoria** class submarine into berth

Ville Class Tugs – the push and “... pull of the city”

Like the larger YTB Glen class tugs, YTLs are named for their WWII-era predecessors. Also like YTBs, the **Ville class** tugs are expected to perform ‘cold’ or ‘hot’ moves of even the largest CF vessels – during Hurricane *Juan*, two **Ville class** alongside a **Glen** tug kept HMCS Preserver, a 24,550 t AOR, safe in 12 foot swells. Day-to-day tasks are more mundane – barge pushing, spill clean-up, moving ships in the harbour.

The **Villes** are more capable than they may appear. Propulsion is via a steerable Kort nozzle – a ducted prop with tight clearance (which is meant to increase bollard pull 10% over a conventional prop). A Kort nozzle's advantage diminishes at speeds over 10 knots – and speed is lost in turns – but these are not concerns for the **Ville class** tug.[2]

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Maritime Command



Building List

CFAV Lawrenceville – YTL 590

- 1974 – xx – xx Built by Vito Steel & Barge Co. (yn...)
- 1974 – xx – xx Delivered to the Canadian Navy; Stationed at Esquimalt; Canadian Flag

Specification:

- **Displacement** 45.grt
- **Length o.a.** 19.5 x **Beam o.a.** 4.72 x **Draft sides** 2.74 mtrs
- **Speed** .. kts.
- **Propulsion** 1 Caterpillar 3408 diesel 365 hp; 1 shaft with steerable Kort Nozzle
- **Bollard pull** 7.5 tons

CFAV Parksville – YTL 591

- 1974 – xx – xx Built by Georgetown Shipyard – Georgetown (yn..)
- 1974 – xx – xx Delivered to the Canadian Navy; Stationed at Esquimalt; Canadian Flag

Specification:

- **Displacement** 45.grt
- **Length o.a.** 19.5 x **Beam o.a.** 4.72 x **Draft sides** 2.74 mtrs
- **Speed** .. kts.
- **Propulsion** 1 Caterpillar 3408 diesel 365 hp; 1 shaft with steerable Kort Nozzle
- **Bollard pull** 7.5 tons

CFAV Listerville – YTL 592

- 1974 – xx – xx Built by Georgetown Shipyard – Georgetown (yn..)
- 1974 – xx – xx Delivered to the Canadian Navy; Stationed at Halifax; Canadian Flag

Specification:

- **Displacement** 45.grt
- **Length o.a.** 19.5 x **Beam o.a.** 4.72 x **Draft sides** 2.74 mtrs
- **Speed** .. kts.
- **Propulsion** 1 Caterpillar 3408 diesel 365 hp; 1 shaft with steerable Kort Nozzle
- **Bollard pull** 7.5 tons

CFAV Merrickville – YTL 593

- 1974 – xx – xx Built by Georgetown Shipyard – Georgetown (yn..)
- 1974 – xx – xx Delivered to the Canadian Navy; Stationed at Halifax; Canadian Flag

Specification:

- **Displacement** 45.grt
- **Length o.a.** 19.5 x **Beam o.a.** 4.72 x **Draft sides** 2.74 mtrs
- **Speed** .. kts.
- **Propulsion** 1 Caterpillar 3408 diesel 365 hp; 1 shaft with steerable Kort Nozzle

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- **Bollard pull** 7.5 tons

CFAV Marysville – YTL 594

- 1974 – xx – xx Built by Vito Steel & Barge Co. (yn...)
- 1974 – xx – xx Delivered to the Canadian Navy; Stationed at Halifax; Canadian Flag

Specification:

- **Displacement** 45.grt
- **Length o.a.** 19.5 x **Beam o.a.** 4.72 x **Draft sides** 2.74 mtrs
- **Speed** .. kts.
- **Propulsion** 1 Caterpillar 3408 diesel 365 hp; 1 shaft with steerable Kort Nozzle
- **Bollard pull** 7.5 tons