

# Anderson Sawmill Project - Report and Plan

Next steps as of April 15, 2024

- make further plans and improve the cost estimates for each of the four displays
- Find if there is interest in the City Parks to replace Mike Kaban



## The Plan

**Objective:** Present four displays of Anderson Sawmill equipment in the community.

- Display # 1 Paradise Exhibition Park Steam Donkey (substantially complete)
- Display # 2 Lindsay Park Steam Donkey (substantially complete)
- Display # 3 Ross Carrier, location tba
- Display # 4 Sawmill display, location tba

## Participants

Forestry Heritage Society – Contacts Dan Parsons, Dave Florence; also Bob Johnson, Stephen James, Mark Mathews, Tom Sparks

City Parks – TBA

qathet Museum – Exec Director William Adams

PR Community Forest – (Fund source and invoice payment) - Chris Lang, Greg Hemphill

**Budget Aug 26:** (Details on Dave Florence's spreadsheet) \$59,352

## Background

- 1930s-1960s – Anderson's Sawmill operated at Block Bay from 1932, then moved to storage at their home at Mowat Bay in 1960, then donated and shipped to the Burnaby Heritage Museum in 1976. The Andersons owned several Steam Donkeys. One museum report indicated one of their steam donkeys was sent to the Science and Technology museum in Ottawa.
- 2012 – PRFHS receives a donation of a steam donkey similar to other Anderson donkeys from up the coast and stores it.
- 2014 – Burnaby Museum offers equipment back to Powell River. The qathet Museum accepts.
- 2015 – Community Forest project approves in two phases: 1: Ship to PR and 2: Build displays.
- 2016 – Phase 1 completed: equipment shipped May 2026, viewed and stored at Tis'kwat Catalyst.
- 2016 - plans continued for a single comprehensive display. Community Forest funds were approved for this second phase, but siting concerns and a reduction in Museum staff resources halted the planning.
- 2019 – when the Tis'kwat Catalyst mill closed, equipment stored outdoor was moved to join the PRFHS steam donkey on a privately owned lot off McLeod Road, and the indoor equipment remained at the Tis'kwat Catalyst site

- 2021 – In December, a team with reps from Forestry Heritage, City Parks and qathet Museum resumed planning with a vision of creating several smaller displays. Lindsay Park was suggested for the Anderson Donkey and the Paradise Exhibition Park for the second donkey.
- May-June 2023 – the owner of the McLeod Road storage site required the equipment to be moved to an adjacent site or totally removed. The Paradise Exhibition Park steam donkey sled was built and with its Steam Donkey was installed at the Farmers Market June 2023; the remaining equipment was moved to the new location across the street. **The storage space is available only until June 2024.**
- June 2023 The indoor equipment was moved from it's location at Tis'kwat Catalyst to city storage at 4464 Franklin Street
- July-August 2023 the Lindsay Park Steam Donkey sled was built and planning to integrate the equipment onto the sled and move it to Lindsay Park continue.
- August 2023 – plans continue to present the remaining displays: the remaining Steam Donkey, the Ross Carrier and a Sawmill display. Community Forest funds remain available.
- Sep 28, 2023 The main Anderson Steam Donkey was installed at Lindsay Park.

Photos

Website with background

<http://qathet.prfhs.org/anderson-sawmill-display/>

Photos of the equipment at Tis'kwat Catalyst, indoors and out, June 2015

<http://www.prfhs.org/images/jalbumgallery/ForestryMuseum/anderson-collection/Storage-June8/index.html>

Outdoor Equipment, in current location after the move June 2023

<http://qathet.prfhs.org/anderson-storage-location-moved/>

## Display #1 – Paradise Exhibition Park Steam Donkey Target date August 2024

*Washington Iron Works Compound Geared Yarder No. 1619 built in 1909 at Oak Harbour WA. Similar to the Anderson's second donkey*

### Upcoming work

- Sled: chalk line and chainsaw off the edges of the deck, and add short 3” deck boards at the fairlead crosspiece; also lagscrew down the fairlead. *Big fairlead bolt holes 1.5 wide, 2.75 high Front two bolts thru 3 inch deck, back two lag bolts into cross piece*
- contract and install a smokestack
- caulk the repaired frame around the wording No, 1619 etc
- - fasten the safety bands and brake pad, and add some boiler-to-frame bolts.
- add 3/4” and 1” cables between the drums and the fairlead?
- perhaps use 4" sewer pipe to mock up the steam input and exhaust pipes
- update the interpretive signs



A three-page plan describing remaining work is shown below.

Smokestack Cost quote, John at PRISM for 22 gauge sheet metal, \$1,600 plus taxes

- **Suggestion:** perhaps install the second Climax as a stand-alone display at the Farmers Donkey site to further strengthen the Anderson aspect of the Farmers Donkey display.
- Replace draft Interpretive Signs with Alupanel.

### Completed Work

- brought a ladder; measured the boiler diameter = 60 inches, pipes end with the boiler top exposed,
- repaired the broken frame with the wording "Compound Yarder, Washington Iron Works no. 1619".
- Added Fairlead Sep 5; inserted the missing dummy bolt and nut ready-rod
- Applied decking (Delivered by Bob and Dave Aug 28, installed by Dave that week)
- added 8 interpretive panels (Dave, Aug 6)
- Painted (Dave) Aug 5 the blue and white was not authentic
- Moved to the park in June when other Anderson parts moved across the street



... end of Display #1 – Paradise Exhibition Park Steam Donkey info.

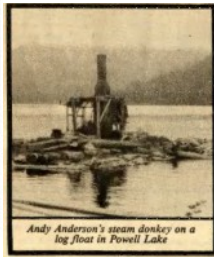
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## Display #2 - Lindsay Park Steam Donkey *Substantially completed Sep 28, 2023*

Vancouver Engineering Works 2 drum Roder, 10" diameter X 15" stroke, Construction Number 354, registration number is 42750. built September 1918 39,000 lbs.



at Block Bay



To Mowat from Block Bay In Burnaby



at Lindsay Park Sep 28

### Upcoming work

- **Bring the two Pulleys on one pallet from Franklin**, lean the big on the sled log, and bolt the small pulley to the deck.
- **Platform?** May want to add a platform where the engineer stood to operate the donkey (very low priority)
- **Interpretive signage & panel development**, text, sponsors, partner & volunteer recognition. Dave Florence lead on text/photos; City may contract the printing, lexan etc
- **Title transfer** from Museum; they are concerned about liability.

### Completed Work

- Sep 28 - MOVE DAY - Assembled the Steam Donkey at the display site (Lindsay Park) Weight and height restrictions precluded moving the assembled steam donkey. The six pieces were transported and assembled at the display site from 8 am to 2 pm. Jepson Booming and Mill Town Transport did excellent work. Donkey parts included the Sled, Boiler and Smokestack on the Mill town 45' Trailer, and the Frame (with one winch drum and the steam engine); larger winch drum that fits on the Frame and Water tank on the Jepson Trailer.
- Secured the Water Tank: add 3x6 to prevent rolling; at Lindsay
- Sep 26/27 – Dan replaced 30 inch by 96 inch mesh on the smokestack
  - sleeves for the long slanted bars that connect the boiler to the frame prepared/attached
  - Tom led the build of the two exhaust pipes
- Sep 23 Mark trimmed the deck boards, Dave/Dan bolted down the Fairleads and Skyblocks/Pulleys
- Sept 21: Tom attached the broken door part; Mark trimmed the sled decking.
- used the tractor to move the fairlead and skyblock onto the sled Sep 12
- Boiler and frame power-washed about Sep 8, thanks to Mike Kaban
- got fairlead and pulleys from storage on Franklin Sep 5 (Mike Kaban)
- remaining ready-rod installation on the sled completed Sep 5; (Bob, Tom, Dan) decking installed (Dave)
- Test assembly completed Aug 31, permitting final design and build of connecting bits
- Picked up the 3" deck lumber from Lois Lumber Aug 28 (Bob, Dave)

- Mike, Dan, Bob, Stephen and Dave visited the indoor Anderson collection at the City storage area at 4464 Franklin Ave on Monday, August 21 at 1 p.m. We learned the Climax vertical steam engine was damaged and is out somewhere being repaired, and that it seems we are missing several pallets of Anderson Items. Mike/Stephen will try to learn more.
- Dave and Zeke Kenmuir, Jepson Booming, visited the McLeod site and developed the test assembly plan (details below)
- Sled substantially completed 10 Aug,
- **Deck lumber:** three inch thick rough cedar lumber 8 feet long was applied between the water tank and boiler (about five feet) and between the frame and front cross piece (about ten feet).
- Logs moved by Len Gentry Black Point Contracting, cross piece logs moved over by Vern Kinley, sled started Mark building the sled in July
- Lois Lumber (Wayne Borgfjord) was contracted June 26 to provide the selected two 36' cedar logs needed for the sled, plus one 20 in x 7 ft log for the fourth crosspiece. Ready to move July 10
- the outdoor Anderson Collection material was moved across McLeod Road June 14
- When asked to move from our free storage location to an adjacent lot, we built the sled for the first steam donkey early June and moved it to the Farmers Market June 14. That provided the experience needed for building the next sled and moving the second steam donkey. Mark Mathews build the first sled; Jepson booming and Mill Town Transport did the move.
- funding process changed (City and Community Forest) in early June (Chris Lang, Greg Hemphill)

### **Display #3 - Ross Carrier**

**Completion Target date ?**

- the concept is to leave it uncovered, with a small pad for each wheel, and a nearby interpretive sign
- Siting strategy is to see how the Steam Donkey is received in the community, and then decide where to put the Ross Carrier



#### **Upcoming work**

- **Making it safe** – some welding may be needed - not scoped or costed yet
- **Surface preparation and foundation** including perhaps some sort of lockdown- not scoped or costed yet
- **Painting:** - not scoped or costed yet
- **Transport:** it's a single lift
- **Interpretive signage, title transfer** not defined yet **Completion Target date Sep 2023**

Budget entry: \$4,700 (Details on Dave Florence's spreadsheet)

## Display #4 - the Sawmill

Completion Target date June 2025

- Scope, siting and schedule have not been defined yet. The current intention is to have it much smaller than a major equipment display under a large roofed area, as planned originally. (e.g., the head saw, parts of the carriage, Climax steam engine power source , etc).

### Outdoor stored parts



*concept of what might be displayed - head saw, carriage, etc*



*from catalyst visit 2016*

### Upcoming work

- View Mark Hassett's timbers that have been offered
- seek and secure a suitable display site to help visualize what might be presented
- design the displays
- Build and install the display, make interpretive signs, title transfer etc.

Budget entry: \$28,100 (Details on Dave Florence's spreadsheet)