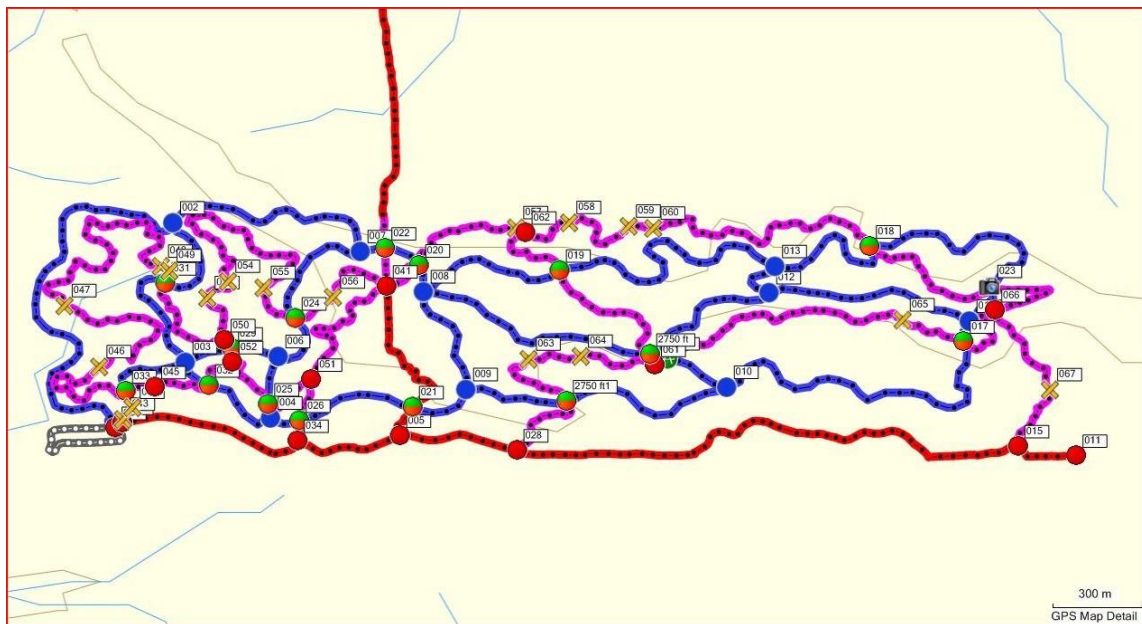


Stanger Hills Staging Area and
Trail Development Concept Plan

S ½ 4 & SE 5 – 55 – 6 W4M



Completed by: Foothills Resource Management Ltd.

Date: July 07 2010

**Stanger Hills Staging Area and
Trail Development Concept Plan**
S ½ 4 & SE 5 – 55 – 6 W4M

Project description:

Quarter sections S ½ 4 and SE 5-55-6 W5M are located in the county of Lac Ste Anne and have been designated for recreation trail development. The trail system will be connected to the newly established day use and staging area with the regional arterial trail passing through.

Methodology:

Design processes based on *'Management Guidelines for OHV Recreation'*, Tom Crimmins, NOHVCC, 2006.

Trail Development Objectives:

- Trails system that will meet the needs and for family experience family riding experience
- Trail system to meet needs for both motorized and non-motorized trail experience
- Design a trail system to minimize user conflict
- Integrate existing trail features such as vistas.
- Look beyond existing linear footprint to develop a sustainable trail system
- Providing secure areas for wildlife
- Minimize maintenance requirements
- Motorized trails limited to 20km/hr
- Goal for 15km of motorized trail.

Trail parameters as outlined by the Trail Development Steering Committee:

Type of Usage (for trail type)

Motorized: ATV's; Snowmobiles; Dirtbikes; Side by Sides (less than 65")
Include: Horse & Wagon.
-One type of trail to accommodate these activities.

Non-Motorized: Horse Back Riding; Hiking; Cross Country Skiing; Mountain Bike;
Snowshoeing; Dog sledding.
-One type of trail to accommodate these activities.

Usage Restriction:
-Restrict width: 65 inch width.
-Restrict weight: maximum of 1,500 lbs.

-Closing trail: to protect the trails in this area, that ALL Motorized Trails be CLOSED, when weather conditions warrant closure (ie: Spring Breakup; Excessive Rain, Fire Ban, etc.)

Area of Concern: “visibility” at corners regarding Bikes vs Horses vs Pedestrians with possible solutions being greater clearing of brush; bicyclers having bells or horns on their bicycles, etc.

Design Principles:

- Understand user needs;
 - meet local needs,
 - provide desirable opportunities,
 - offer a quality experience.
- Provide an adequate experience;
 - Provide sufficient quantity of routes to provide recreational opportunities,
 - Motorized riding as a dispersed activity
- Loop opportunities:
- Diversity in Trail Difficulty:
 - Easier; 10-15% of system mileage
 - More difficult; 70–80% of system mileage
 - Most difficult; 10-15% of system mileage
- Opportunities for Young Riders:
 - Motorized riding is a family activity
 - Ability to provide various riding opportunities for the entire family
- Avoid fixation of existing trails
- Avoid one-way trails;
 - One way trail offer a false sense of security that some will not be coming the other way

Trail and Lands Summary:

Title Search:

- SE 5-55-6 W5M;
 - Land Owner: Municipal District of Morthen No. 551
 - Encumbrances, Liens and Interests: No registrations
- SW 4-55-6 W5M:
 - Land Owner: Municipal District of Lac Ste. Anne No. 93
 - Encumbrances, Liens and Interests: No registrations
- SE 4-55-6 W5M:
 - Land Owner: Municipal District of Morthen No. 551
 - Encumbrances, Liens and Interests: No registrations

Current Trail Inventory of trails;

Currently all trails are located on a grid of seismic lines created in the past. There is a reclaimed lease road and lease site that is also being utilized as part of the existing trail system.

The main arterial trail joining the trail to the regional trail system enters the property on the SE corner of SE4, following an existing seismic line and portion of the reclaimed lease road on the south boundary of the entire property to the SW corner of SE5 where the recently constructed staging area is located. The main trail takes a turn north at the boundary between SW4 and SE5, heading north off the property on a seismic line.

Trail Concept Plan

General concepts:

- Locate a system of motorized trails close to the staging area that are easy family oriented.
- While purposely providing as many kilometres as possible, still provide vacant areas that will provide for wildlife security and separation for hiking trails.
- Separate these trail loops from the main arterial trail to provide safety from longer distance travelers but still provide connectivity to the rest of the trail system
- Utilizing the topography to maximize riding time, reducing speed and maximizing riding experience.
- Utilize height of land to provide for vista and destination opportunities
- Motorized trails to cross ephemeral draws at right angles and avoiding ground water springs.
- All users be restricted to designated trails
- Staging area will be restricted to day-use area; no overnight camping
- Campfire be restricted to fire pits provided in the staging area and designated picnic areas on the trail system
- No hunting or discharge of fire arms be permitted in the Recreation Area
- Speed limits on trail be imposed for safety
- Kiosk be installed at staging area to communicate permitted and restricted uses, trail maps, user expectations and general information.
- Trails may be closed due to adverse weather conditions and environmental/wildlife consideration.

SE 5-55-6 W5M:

- Most of this quarter is located on the slopes from the height of land.
- The land slopes to the west and south with a multitude of ephemeral draws draining to the west and south.

- Other than the staging area, main arterial trail, a 360m random trail and the remnants of a grown in seismic line, the quarter is free of existing trails,

SW and SE 4-55-6 W5M

- With the height of land running east and west, the land slopes rapidly to the north and south with a multitude of ephemeral draws.
- The north slope is located near the north fence line but still provide opportunity for a trail down slope that with a rolling dips to promote water drainage off the trail and provide a varied trail experience.
- There are 3 sites that can be identified as opportunities for vista and rest stops.

Trail Flagging

- On June 21-22 2010, the motorized trails were flagged out.
- The method for flagging was to follow the conceptual routes on the GPS but enhancing the trail route by utilizing the existing contours and topography.
- Every effort was made to provide a flowing trail experience, avoiding steep grades and crossing water courses at right angles.
- Only the motorized trails were flagged with orange ribbon.
- The intension was to also flag out the non-motorized but after consultation with M.Eckert it was decided that that would not be done at this time. There is no intention to begin trail clearing until funds are made available which could a long as a year. The flagging of both trail systems would be confusing for trail crews.

Concept Trail Maps:

- Kilometres of trail:
 - Motorized Trails: 14.33 km
 - Non-motorized trails: 11.59 km
 - Total trails: 25.92 km
- The concept maps have been produced on Garmin Mapsource software.
- The final report will include the Garmin data files (.gdb) files that trail crews will be able to utilize at the time of trail clearing in the field.
- Reference trail maps provided:
 - June 22 10 All; Motorized trails as flagged and non-motorized conceptual trails
 - June 22 10 Motorized: Motorized trails as flagged in the field
 - June 22 10 Non-motorized; Concept non-motorized trails adjusted to flagged motorized trails
- Map symbology;
 - Main Arterial trail; red
 - Non-motorized trails: blue
 - Motorized intersections: red dot
 - Non-motorized intersections; blue dot

- Motorized crossing Non-motorized trails; green/red dot
- Vista; camera
- Picnic site with vista; picnic table symbol
- Water course crossing; yellow 'X'
- Trail issues; rutting, standing water; red flag
- Steep grades; green flag

- List of maps:
 - May 25 10; Existing Trail Inventory
 - June 22 10 All; Flagged motorized and conceptual non-motorized trails
 - June 22 10 Motorized; Flagged motorized trails
 - June 22 10 Non-motorized: Conceptual non-motorized trails

List of Attachments;

- Land Titles for SE4, SW4 and SE 5-55-6 W5M
- Existing Trail Inventory Data Sheet

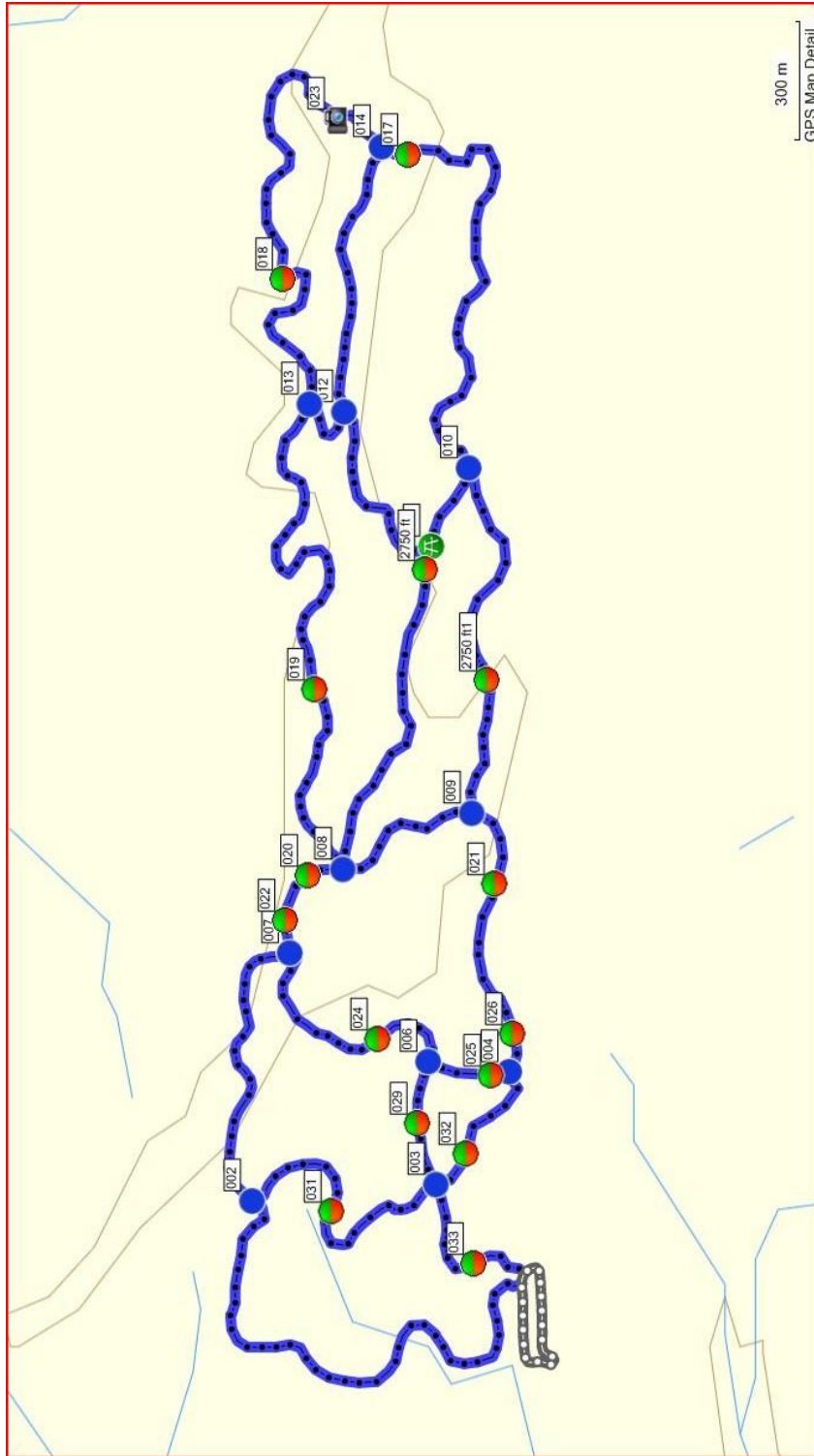
Existing Trail Inventory May 25 10

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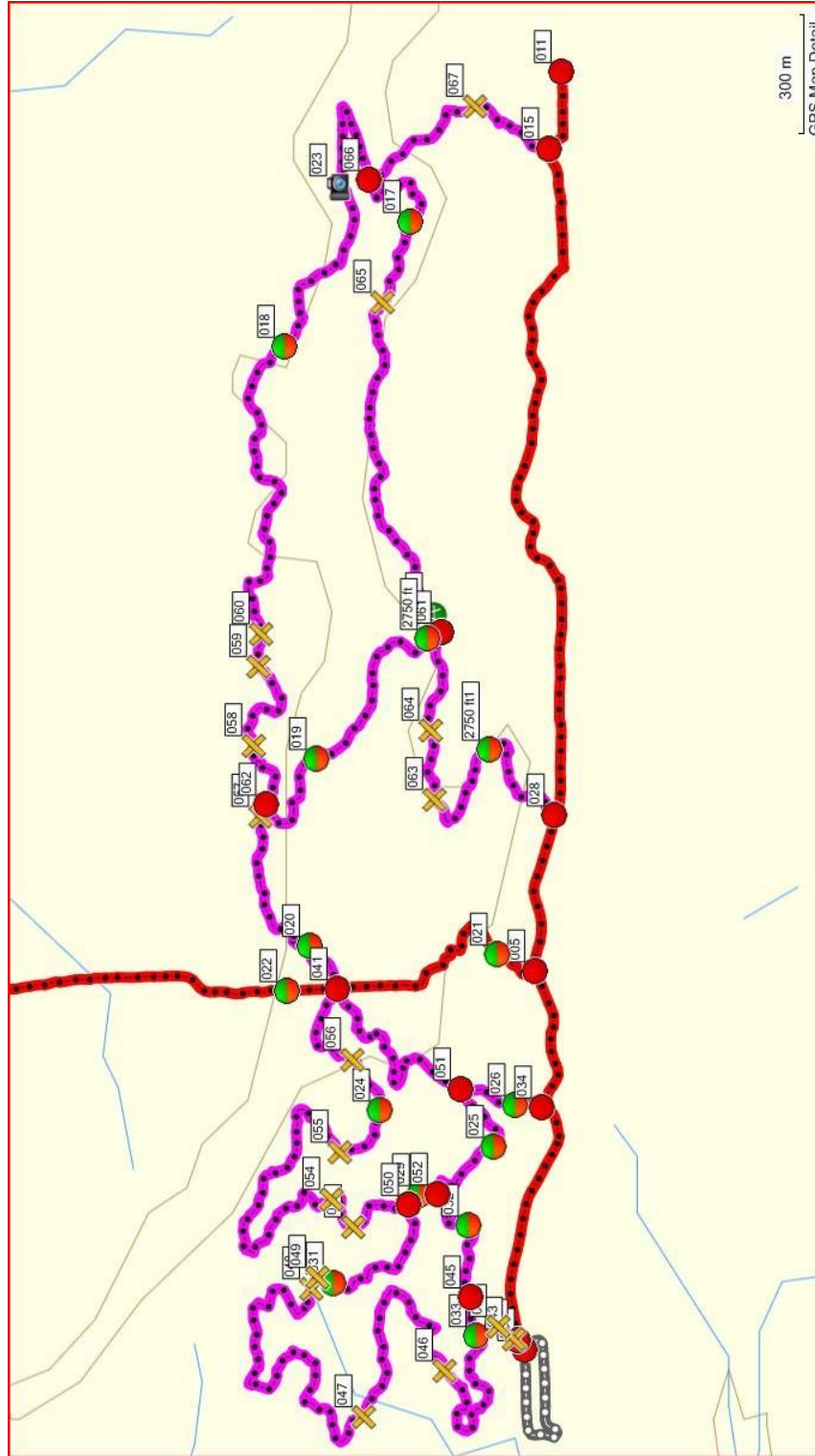
Non-motorized Trails Conceptual June 22 10

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Motorized Trails Flagged June 22 10

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All Trails June 22 10

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