

Town of Windham

8 School Road
Windham, ME 04062

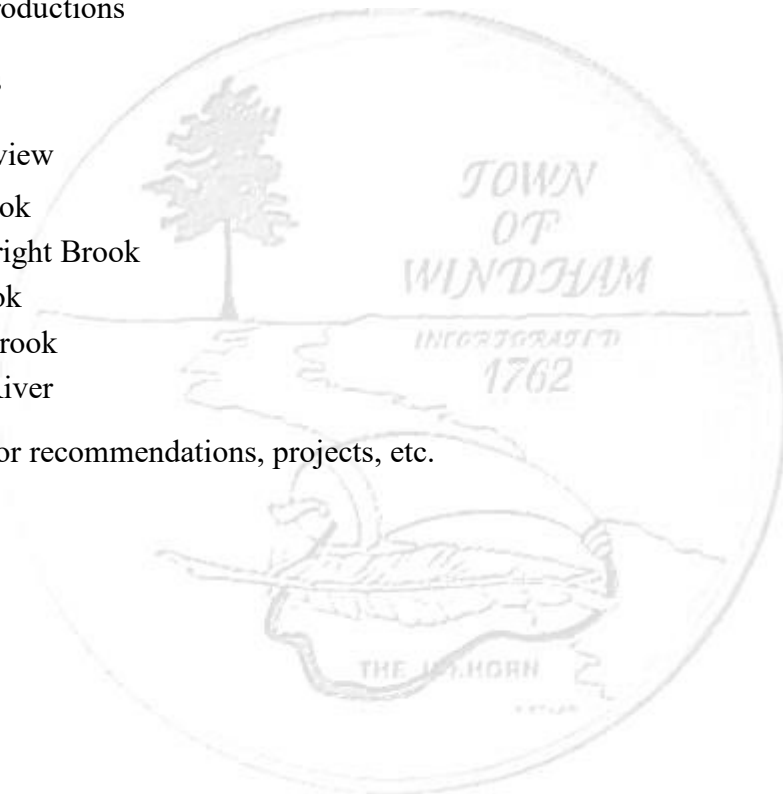
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Natural Resources Advisory Committee
Conference Room #1, Town Office
6:30 PM – 8:00 PM, Wednesday May 1, 2019

AGENDA

1. Welcome & Introductions
2. Review Minutes
3. NPS TMDL Review
 - a. Black Brook
 - b. Colley Wright Brook
 - c. Otter Brook
 - d. Inkhorn Brook
 - e. Pleasant River
4. Brainstorming for recommendations, projects, etc.
5. Next Steps
6. Adjourn



Staff Contact:

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Notes from Meeting:

1. Meeting called to order at 7:05 PM
 - a. Committee Members present: Jeanne Rhein, Chris McDonald, Dennis Brown, Donna Chapman
 - b. Staff present: Gretchen Anderson (E&S Coordinator), Amanda Lessard (Planning Director)
2. Committee reviewed and approved minutes.
 - a. A motion was made by Rhein, seconded by McDonald.
 - b. Motion carried by the following vote: In favor - Rhein, McDonald, Brown. Abstained – Chapman.
3. NPS TMDL summary reviews were presented by each committee member.
 - a. Black Brook
 - i. Impaired segment length: 8.2 miles
 - ii. Predominately non-developed (85%). Forested areas (58.3%)
 - iii. Non-forested areas are predominantly agricultural (26.7%). Located in central portion of watershed along Swett Road, Town Farm Road & Pope Road.
 - iv. Developed areas with impervious surfaces (15%)
 - v. Habitat Assessment: 167/200.
 - vi. Sediment, Nitrogen, Phosphorus breakdowns see figure 1.
 - b. Colley Wright
 - i. Impaired segment length: 8.16 miles
 - ii. Predominantly non-developed (89.3%). Forested areas (64.1%)
 - iii. Non-forested areas are predominantly agricultural (23.53%). Located in southern portion of watershed.
 - iv. Developed areas with impervious surfaces (9.7%)
 - v. Habitat Assessment: 152/200.
 - vi. Sediment, Nitrogen, Phosphorus breakdowns see figure 1.
 - c. Otter Brook
 - i. Impaired segment length: 2.16 miles
 - ii. Predominately non-developed (78.7%). Forested areas (45.2%)
 - iii. Non-forested areas are predominantly agricultural (31%). Located in central portion of watershed.

- iv. Developed areas with impervious surfaces (21.3%)
 - v. Habitat Assessment: 160/200.
 - vi. Sediment, Nitrogen, Phosphorus breakdowns see figure 1.
- d. Inkhorn Brook
- i. Impaired segment length: 4.32 miles
 - ii. Predominately non-developed (92%). Forested areas (66.9%)
 - iii. Non-forested areas are predominantly agricultural (23.6%). Located in central portion of watershed.
 - iv. Developed areas with impervious surfaces (8%)
 - v. Habitat Assessment: 148/200.
 - vi. Sediment, Nitrogen, Phosphorus breakdowns see figure 1.
- e. Pleasant River
- i. 11.2 miles
 - ii. Predominately non-developed (89.5%). Forested areas (74.4%)
 - iii. Non-forested areas are predominantly agricultural (9.5%) and developed (10.5%)
 - iv. Developed areas with impervious surfaces (10.5%)
 - v. Habitat Assessment: 190/200.
 - vi. Sediment, Nitrogen, Phosphorus breakdowns see figure 1.

Figure 1.0

	Sediment	Nitrogen	Phosphorus
Black Brook	Agriculture - 62%	Septic Systems - 30%	Agriculture - 75%
	High Density Mixed - 18%	Agriculture - 37%	High Density Mixed - 9%
	Low Density Mixed - 10%	High Density Mixed - 12%	Septic Systems - 5%
Colley Wright Brook	Agriculture - 54%	Septic Systems - 31%	Agriculture - 72%
	Medium Density Mixed - 22%	Agriculture - 33%	High Density Mixed - 10%
	Forest - 19%	Forest - 19%	Forest - 9%
Otter Brook	Agriculture - 49%	Agriculture - 43%	Agriculture - 77%
	High Density Mixed - 23%	High Density Mixed - 18%	High Density Mixed - 11%
	Low Density Mixed - 17%	Septic Systems - 16%	Low Density Mixed - 11%
Inkhorn Brook	Agriculture - 77%	Agriculture - 46%	Agriculture - 81%
	Forest - 17%	Septic Systems - 31%	Forest - 9%
	High Density Mixed - 4%	High Density Mixed - 4%	Septic Systems - 5%
Pleasant River	Agriculture - 62%	Agriculture - 33%	Agriculture - 61%
	Forest - 20%	Forest - 26%	Forest - 14%
	High Density Mixed - 12%	Septic Systems - 17%	High Density Mixed - 13%

4. Committee members determined that all waterbodies had the same recommendations:

- a. ‘Encourage greater citizen involvement through the development of a watershed coalition to ensure the long-term protection of Inkhorn Brook.’
- b. ‘Address existing nonpoint source problems in the watershed by instituting BMPs where necessary; and’
- c. ‘Prevent future degradation of Inkhorn Brook through the development and/or strengthening of a local Nutrient Management Ordinance.

Dennis Brown thought recommendation ‘C’ was important.

- Upcoming meeting (in May TBD) with Department of Agriculture, Department of Environmental Protection & various municipalities to learn about the state nutrient rules and how towns can create effective ordinances.
 - Dennis will reach out to Town of Gray (Pleasant River) and invite them to the meeting.

Amanda Lessard suggested the committee look at stream protection zoning. The Town

currently does not meet the state's minimum requirements of a 250-foot setback.

5. Next Steps

- a. Committee members will attend PRLT Volunteer Water Quality Training on Saturday, May 4, 10-12pm at USM Gorham Campus.
- b. Committee will attend nutrient discussion (Date TBD).