

Dam Site Visit
Taylor Pond Dam #245

8/17/92

T. Cloutier

Introduction:

Looking in the Taylor Pond file, three questions came to my mind:

- 1) Is there a dam at the outlet of Taylor Pond?
- 2) Does R. Kendall's dam impound 15 acre-feet?
- 3) Does R. Kendall's dam control the level of (impound) Taylor Pond?

Discussion:

1)

It seemed clear from my visit that there is no dam at the outlet of Taylor Pond. I walked in the pond up the outlet and looked downstream. I saw no man-made structure, only some debris (branches, etc.). I also descended to the stream approximately 150 feet downstream from the outlet and could see no dam.

I spoke to Deanna Andrews (the owner of the property abutting the outlet). She said that the first dam on the brook was Mr. Kendall's dam at Stevens Mill Road.

The letter in the file from the City of Auburn also confirms that there is no dam at the outlet. I observed the trash racks at Hotel Road that were mentioned in said letter but it was difficult to see their structure due to debris.

2)

In a November, 1983 letter, Mr Richard Kendall argued to David Dominie that the surface area of the impoundment of his dam was approximately 5 acres. He further stated that the average depth of the "stream impoundment distance is under 2 feet. Accordingly the acre feet impounded is under 10."

In a November, 1990 letter, Mr. Kendall argues that "...According to the report by the Department of Environmental Protection the impoundment area affected by my dam is between 5 and 10 acres. This is well under the 15 acres requirement for registration." This letter shows a slight misunderstanding of the requirement for registration (15 acre-feet impounded vs. 15 acres surface area). Mr. Kendall does not say which DEP report he is citing (nor is it in the file). If the impoundment has the upward bound surface area of 10 acres in this "report(?)" and the average depth of the impoundment is just under 2 feet ('83 letter), then the dam (which is clearly over 2' high) must be registered.

I was unable to ascertain the surface area of the impoundment during the visit. The part of the impoundment immediately before the dam was over 2 feet deep. (Standing on the bridge near the dam, I could not see the bottom.) Of course, this says nothing about the average depth of the impoundment, whose surface area is under dispute anyway.

3)

In his 1990 letter, Mr Kendall argues:

"The dam (245) does not impound Taylor Pond. The outlet to Taylor Pond is almost a mile from the dam site. Over that distance there is a drop in elevation of approximately 2 feet. The alders at the outlet along with the constriction of flow at the culvert where the Old Hotel Road crosses Taylor Brook are what affect flowage out of Taylor Pond. The [e]ffect of this small dam at a distance of almost a mile is [zero] to negligible..."

I was not convinced by this argument after my visit to the dam. If the alders at Hotel Road controlled the flow, it seems to me that the brook on the upstream side of the road would have a different flow (more stagnant) than on the downstream side. The water looked pretty stagnant on both sides of the road. This is just an impression.

What really convinced me that Mr. Kendall's dam might impound Taylor Pond was my conversation with Deanna Andrews. When informing me that Mr Kendall's dam was the first dam downstream from the pond outlet, she mentioned that the water was never as high in the pond as it has been since Mr. Kendall "closed" his dam. She also commented that once, when she (and her husband?) wanted to lower the water level of the pond near their property, they asked him (I am assuming that she meant Mr. Kendall, because we were discussing the dam on Stevens Mill Road) to open the dam. When he did, the water level dropped and their problem (the nature of which I never ascertained) was solved. This indicates to me that Mr Kendall's dam does in fact effect the level of Taylor Pond

Conclusion:

I conclude that there is no dam at the outlet of Taylor Pond. The surface area of the water affected by Mr. Kendall's dam is still uncertain, but I think that a case could be made arguing that his dam affects the water all the way to Taylor Pond.

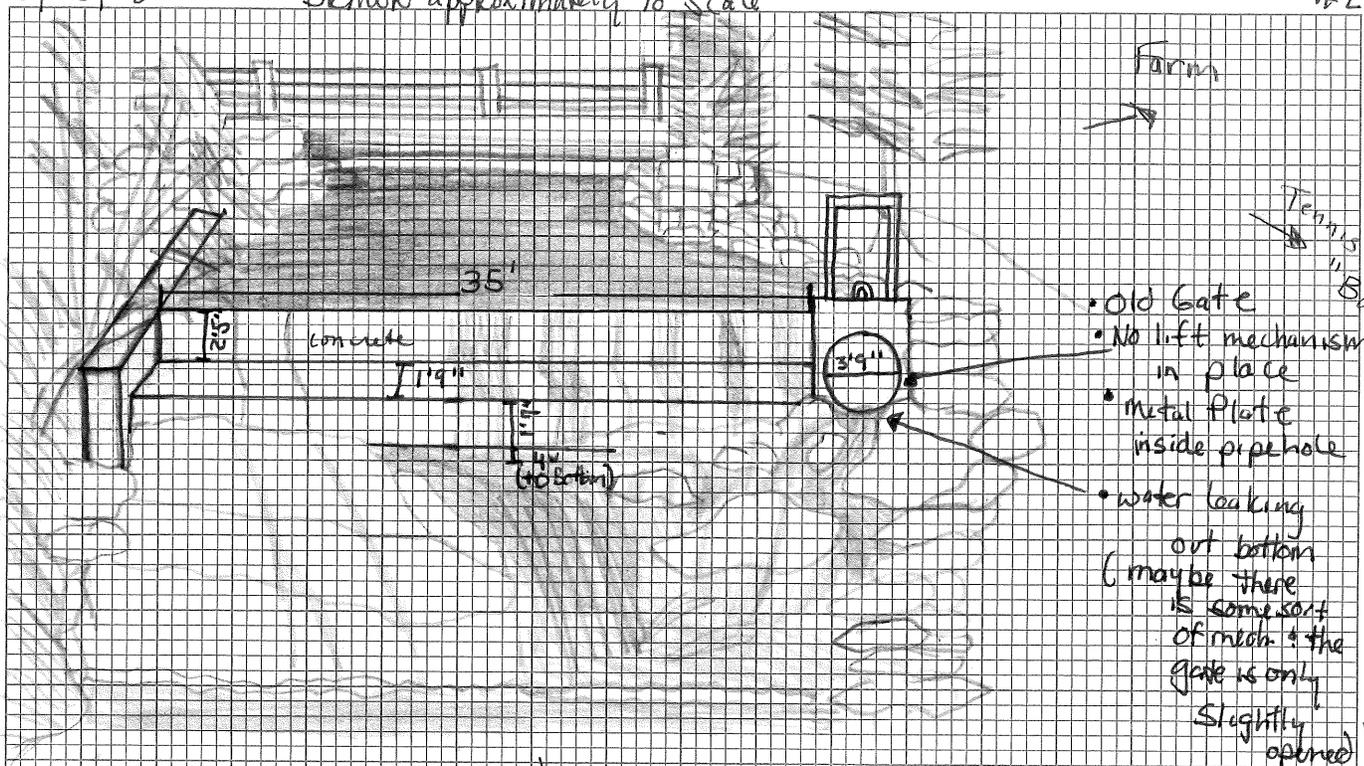
km ≈ 4 ft

Kendall Dam
Taylor Pass Dam File #245

8/18/92

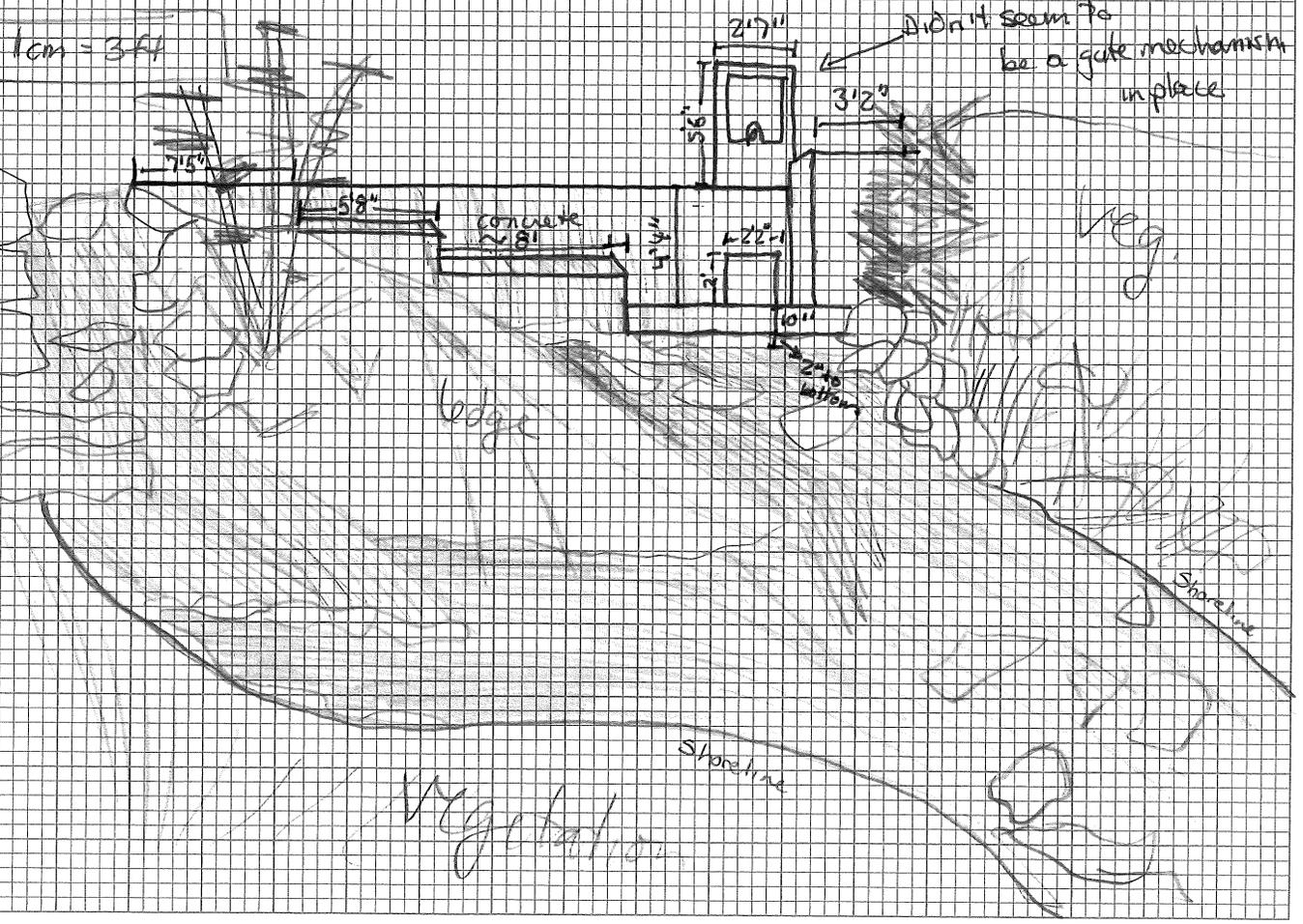
DRAWN approximately to scale

1st Dam



- Old Gate
- No lift mechanism in place
- Metal Plate inside pipe hole
- water leaking out bottom (maybe there is some sort of mech. & the gate is only slightly opened)

↓ ≈ 300 ft to 2nd Part of Dam



Didn't seem to be a gate mechanism in place

46 1610

2nd Dam

5 X 5 TO THE CENTIMETER 18 X 24 CM.
KEUFFEL & ESSER CO. MADE IN U.S.A.



Kendall Dam

Taylor Pond F. 6 245

NOT DRAWN TO SCALE

