

7-8-65

(1)

Field Notes
Calabazas Creek

On 7-8-65, Chuck Culley checked the portion of this stream that ran from Nelligan Road upstream for 0.9 of a mile on Nuns Canyon Road. This check was carried out on foot and by car.

This stream is excellent as a nursery area for Steelhead Trout fingerlings ~~for~~ the entire length that was checked.

The estimated (via Braille seining) number of Trout fingerlings per 100 ft. of stream is - 175 Trout/100ft.

$$(0.9 \text{ mile}) \times \left(\frac{175 \text{ Trout}}{100 \text{ ft}} \right) = 8316 \text{ Trout}$$

The water temperature at 0930 was 66°F. The air temperature was 78°F.

The flow was estimated to be 2 cfs. at 0930.

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(2)

The remainder of
this stream was surveyed
by B Fox.

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(1)

Field Notes
Sonoma Creek's Headwaters

On 7-13-65 Chuck Culley checked Sonoma Creek from the natural rock barrier ~~to~~ (80'-100' high.) upstream to the end of the creek, on foot.

Due to the natural barrier the Trout discussed must be assumed to be Resident ~~F~~ rather than Anadromous.

The portion of this stream between the rock barrier and the last fork is a good nursery area, as well as providing sections of excellent spawning (Trout) gravels. The first 1.5 miles contains approximately 50 Resident Trout Finger Rings per 100 ft. of stream. The last 0.5 mile of this section, just below the last fork, is an estimated

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(2)

75-100 Resident Trout per 100 ft. of stream. (Some of these Trout were 4.5" to 5.5" long)

The more northerly fork had very poor cover and contained about 30-40 Trout per 100 ft. only in the first 1/10 mile above the fork. There was much moss. With more water approx. 3/4 mile of this branch would be suitable ~~for~~ spawning and nursery areas.

The "southern" branch ~~at~~ had fair cover, and retained some fishery value for 1/10 mile upstream from the fork. There were approx. 60 Trout per 100 ft. of stream.

(New paragraph)

(1.5 mile) x (150 Trout / 100 ft) = 2250

(0.5 mile) x (97.5 Trout / 100 ft) = 487.5

(0.1 mile) x (25 Trout / 100 ft) = 25

(0.4 mile) x (60 Trout / 100 ft) = 240

100 Trout for entire stream = 7792.5

Water temperature:
In good shade - 62°F (1900)
In fair shade - 68°F (1630)
Air temperature:
In good shade - 74°F (1900)
In fair shade - 82°F (1630)

7-14-'65

Field Notes
Fowler (Carriger) Creek

On 7-14-'65 Chuck Culley checked this stream from the Leveroni Road Bridge to its headwaters on foot and by car.

The only section of this stream that is not dry is that portion $\frac{1}{4}$ mile downstream ~~from~~ the O'Brien Road Bridge, and that portion 1.0 mile upstream of ^{the} O'Brien Bridge. The remainder of the stream is completely dry, and only has fishery value as a nursery area and a few spawning areas during the winter months.

The section that has water, has an approximate flow of $\frac{3}{4}$ c.f.s. There were

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an estimated 75-100
Steelhead Trout ^{Fingerlings} per 100 ft.
of stream. Therefore,
the total number of
Trout inhabiting the
stream section surveyed
is 5775 individuals.

(Estimate is based on eye
count, and Braille seining.)

9-19-'65

To: Fred Meyer

From: Chuck Culley

In Reference to: The attached field notes on Fowler (Carriger) Creek, Calabazas Creek, and Sonoma Creek.

I feel that its a shame that these few notes are all that can be derived from a full weeks study in the field. If Barry Fox had not lost, (or misplaced), my 2nd draft of my notes, I would have been able to turn in complete stream survey reports.

Chuck