

BOYES CREEK

8-17-81

Tributary to: **Prairie Creek - Humboldt County**

Mouth Location: T. 11 N, R. 1E, Section 2, S.E. Quarter

Accessibility: Boyes Creek is accessible only **by** Highway 101 which crosses the stream 150 yards from its mouth.

DRAINAGE

This stream drains about 1,000 acres of relatively **low** coastal land. Its mouth is at about 100 feet above sea level and **during** its $1\frac{1}{2}$ miles climbs **only** about 200 feet. Boyes Creek has no tributaries but consists **of** two forks,

STREAM CONDITIONS

Physical Profile: Bops Creek, at the time of **survey**, was approximately three feet wide, 6 inches deep, and carried between one and two cfs. **Pool-**riffle ratio was approximately 70-30. Boyes Creek's gradient is very gradual throughout and the stream has a tendency to wander back and forth because of this. The stream bed consists mainly of smooth gravel from 6 inch size downward to **fine** sand. Occassional areas of siltation were observed but not frequently enough to be adverse.

HABITAT DESCRIPTION

Spawning area, though very good when **observed** in view of the gravel present, is perhaps inadequate for the potential fish load. Shelter and nursery area seem quite adequate. Large deep pools frequent the stream and are **usually** shady and protected by overhanging brush, trees or roots. Food in the form **of** larvae and other water life seem sufficient for fish **survival**.

STREAM OBSTURCTIONS

Log Jams: Only 300 cubic feet of actual **"jam"** were observed. **No** saw logs were seen at **all** in the stream. **All** debris and detriment **in** this stream was in the form of trees branches and gravel which created no real problem.

Culverts: Where Highway 101 crosses the stream 150 yards from its mouth is the only culvert on the stream. The culvert, is about 10 feet square and forty feet in length.

FISHERIES

Salmonids, only in moderate numbers, **were** seen throughout the stream but seemed more heavily concentrated in the lower portions, These **fish** were mostly in **the** two inch range and **only two fish** were seen ~~which~~ approached six inches,

SUMMARY

Boyes Creek **is** accessible **only** at the **Highway** 101 crossing,
The stream **is** about $1\frac{1}{2}$ miles in length, climbs **only** 200 feet and has no tributaries,

Pool-riffle ratio is about 70-30.

Total flow amounts to about one or **two cfs.**

Bottom **type is** predominantly smooth gravel with an ~~occasional~~ **silted** areas,

Spawning area **is** very good but possibly inadequate. Nursery and shelter areas are excellent, Food **also seems** abundant,

Only 300 cubic feet of actual "jam" **was** counted which was due to natural causes and not logging operations,

Salmonids only in **moderate** numbers were **seen and** seemed to be more heavily concentrated in the lower portions.

RECOMMENDATIONS

Introduce trout in stream and attempt managing **as** trout stream,

Date surveyed: **August** 17, 1961

Survey crew: Dan Mongold