

FIBI270-R3

Cool Run

Stockington - Pleasant Hill Rd.

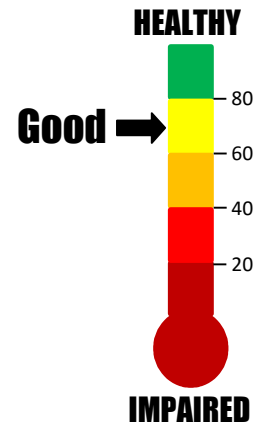
Municipality: Alloway

County: Salem

Drainage Area (sq miles): 5.1

Sample Date: 06/06/2016

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	89.81
Metric 2 - Benthic Sp	70.35
Metric 3 - Intolerant Sp.	100.00
Metric 4 - %Tolerant Sp.	61.19
Metric 5-%Insectivore Sp.	46.27
Metric 6 -%Piscivorous Sp.	19.48
Metric 7 - Abundance-tolerance	24.08
Metric 8-% DELTs	100.00

Field Chemistry

Air Temp (°C)	24.1
Water Temperature (°C)	22.37
Dissolved Oxygen (mg/L)	7.13
% Saturation	82.2
pH	6.66
Conductivity (µS/cm)	183.7

Southern Fish IBI Score (0-100): 63.90

IBI Rating: Good

Low Gradient Habitat Score (0-200): 161

Habitat Rating: Optimal

Summary: The instream habitat and surrounding watershed of FIBI270 on Cool Run is indicative of a healthy stream with a good flow regime, substrate, riparian buffer, overhead cover, and available fish habitat which included aquatic macrophytes, large woody debris, and undercut banks. As such, the fish community is balanced and healthy and contained only one nonnative fish species.

FIBI270-R3

Cool Run

Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	25
Bluegill	<i>Lepomis macrochirus</i>	21
White Sucker	<i>Catostomus commersonii</i>	11
American Eel	<i>Anguilla rostrata</i>	9
Pumpkinseed	<i>Lepomis gibbosus</i>	8
Chain Pickerel	<i>Esox niger</i>	7
Eastern Mudminnow	<i>Umbra pygmaea</i>	6
Redbreast Sunfish	<i>Lepomis auritus</i>	6
Yellow Bullhead	<i>Ameiurus natalis</i>	5
Blacknose Dace	<i>Rhinichthys atratulus</i>	5
Bluespotted Sunfish	<i>Enneacanthus gloriosus</i>	5
Brown Bullhead	<i>Ameiurus nebulosus</i>	2
Tadpole Madtom	<i>Noturus gyrinus</i>	2