

# Fifteenmile Action Plan to Stabilize Temperatures (FAST)

	Elements	Participants	When	Why
<b>Irrigation Season Planning</b>	<ul style="list-style-type: none"> <li>Review of current snowpack conditions, long-term weather forecasts, predicted water availability for irrigation season</li> <li>Share irrigation plans</li> <li>Explore opportunities for instream leasing</li> </ul>	<ul style="list-style-type: none"> <li>15Mile irrigators</li> <li>WC</li> <li>OWRD</li> <li>SWCD</li> <li>ODFW</li> <li>NRCS</li> </ul>	Early March meeting	Decrease likelihood of implementing contingency measures by using the long-term forecast to inform land mgt decisions that are consistent with predicted water availability
<b>Predictive Model</b>	<ul style="list-style-type: none"> <li>Model makes near-term predictions of stream temperature for sites on Fifteenmile Creek</li> <li>Plan implementation tied to lethal temperature triggers in forecast ("alert")</li> <li>Forecasts shared with irrigators via email, phone, and website</li> </ul>	<ul style="list-style-type: none"> <li>15Mile irrigators (read forecasts)</li> <li>WC (run model and publish forecasts)</li> </ul>	Throughout irrigation season	Provides a tool to trigger actions to attempt to mitigate lethal temperature events
<b>Voluntary Self Regulation (VSR)</b>	<ul style="list-style-type: none"> <li>Triggered by alert</li> <li>Irrigators proactively regulate water use to help avoid lethal stream temperatures</li> <li>First line of defense to forecasted alert</li> <li>100% voluntary</li> </ul>	WC to coordinate with OWRD to determine who is irrigating. WC will notify those irrigators of alert and initiation of VSR	In response to forecast alert; throughout irrigation season	The predictive model gives irrigators the ability to proactively self regulate (curtail or diminish use) to avoid high stream temperature events. By law, OWRD regulation is responsive to flows in real time only.
<b>Yearly Action "Contingency" Plan</b>	<ul style="list-style-type: none"> <li>Used in the event that VSR does not abate forecast alerts</li> <li>Specific actions to restore streamflow involving specific irrigators</li> <li>Examples: rotation agreements, minimum flow agreements, curtailed use</li> </ul>	<ul style="list-style-type: none"> <li>15Mile irrigators</li> <li>WC</li> <li>OWRD</li> </ul>	Mid-season (?) meeting to determine actions; implemented throughout irrigation season	As the season progresses, the number of irrigators and streamflow diminishes. Forecast alerts during this time can involve more targeted responses.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>Funding (plan implementation, personnel)</li> <li>Coordination (meetings, personnel, yearly action plan)</li> <li>Documentation</li> <li>Compliance</li> </ul>			