

Success for me occurs in phases. Phase 1 includes rotenone treatment of Lake Creek; Meadow Fork of Big Creek; and Big Creek to the 1648 Rd or barrier closest to the road. Phase 2 and 3 may or may not be possible without large amounts of time and money. I remain on the fence regarding the feasibility and success of these phases.





Success =

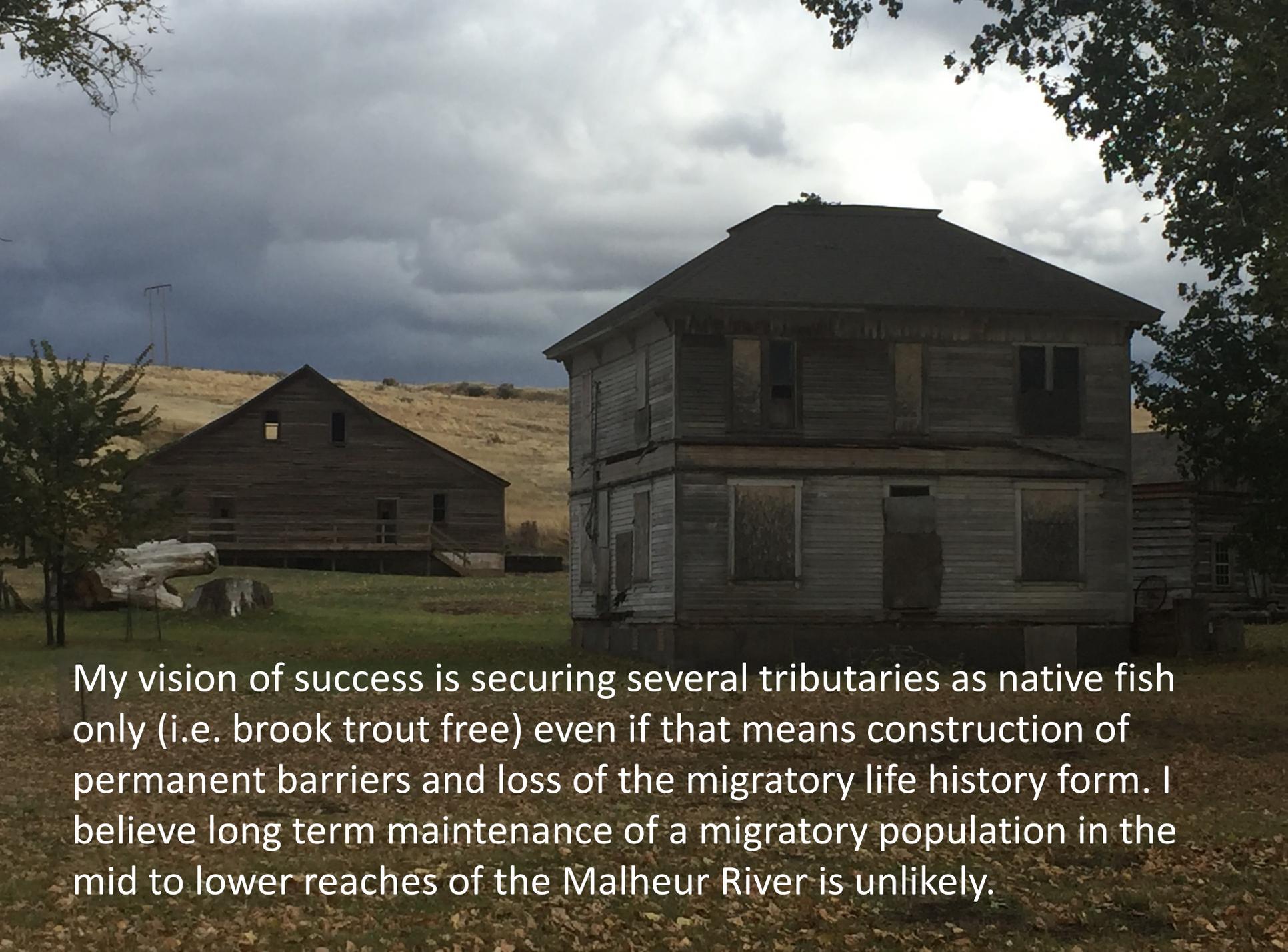
- A self-sustaining and genetically secure bull trout population
- An intact native fish species community



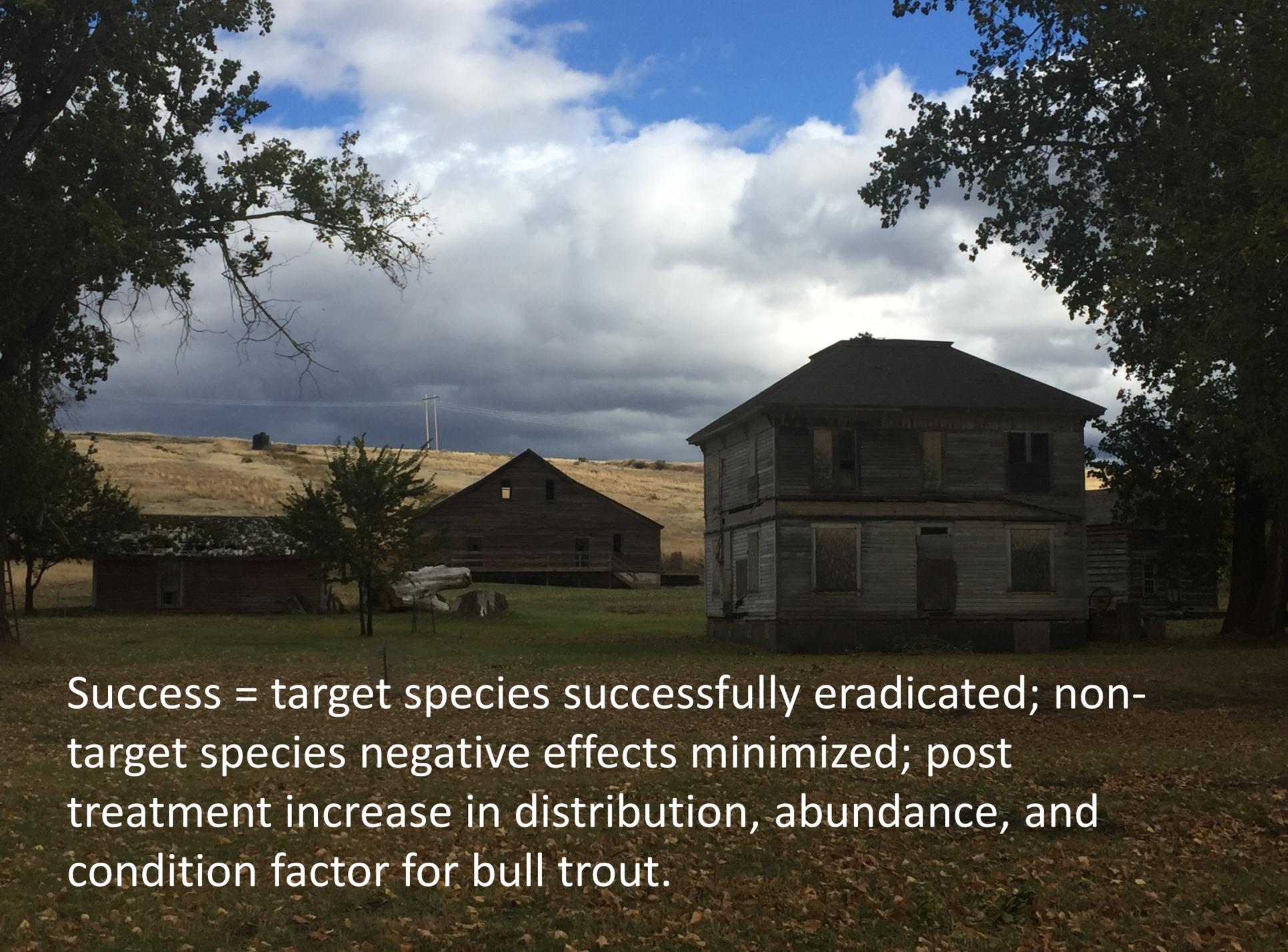
Success = Eradicate brook trout to the geographic extent that hands-on management (e.g., manually passing native fish at barriers) is no longer necessary



Success = Project agreement, implementation, and learning from results



My vision of success is securing several tributaries as native fish only (i.e. brook trout free) even if that means construction of permanent barriers and loss of the migratory life history form. I believe long term maintenance of a migratory population in the mid to lower reaches of the Malheur River is unlikely.

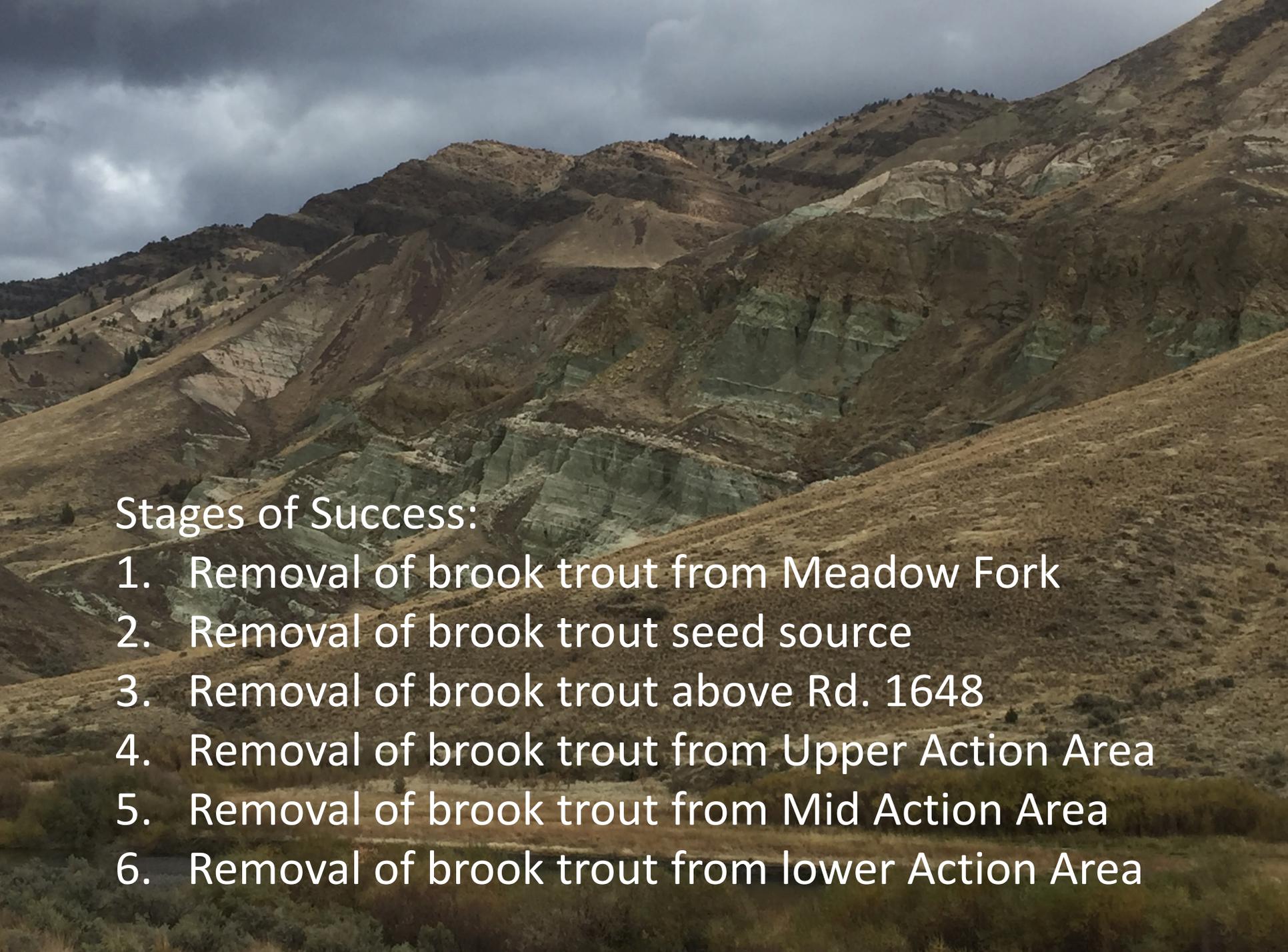


Success = target species successfully eradicated; non-target species negative effects minimized; post treatment increase in distribution, abundance, and condition factor for bull trout.

A landscape photograph showing a mountain valley. The sky is blue with scattered white and grey clouds. The mountains are rugged and brownish-tan, with some dark rock outcrops. The valley floor is covered in dry, yellowish-brown grass and some green shrubs. The text is overlaid in the lower half of the image.

Success = reducing brook trout competition as well as restoring habitat complexity and water quality to allow bull trout to persist and recover over time.

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1. Start with a TAC approved, agencies supported study plan that covers each stage of the project (adaptive management okay)
 2. 100% eradication post treatment is not needed for long term success IF there is a maintenance and monitoring plan in place.
 3. Increase in bull trout numbers to allow long term persistence, buy-in by stakeholders, and follow through with study plan.

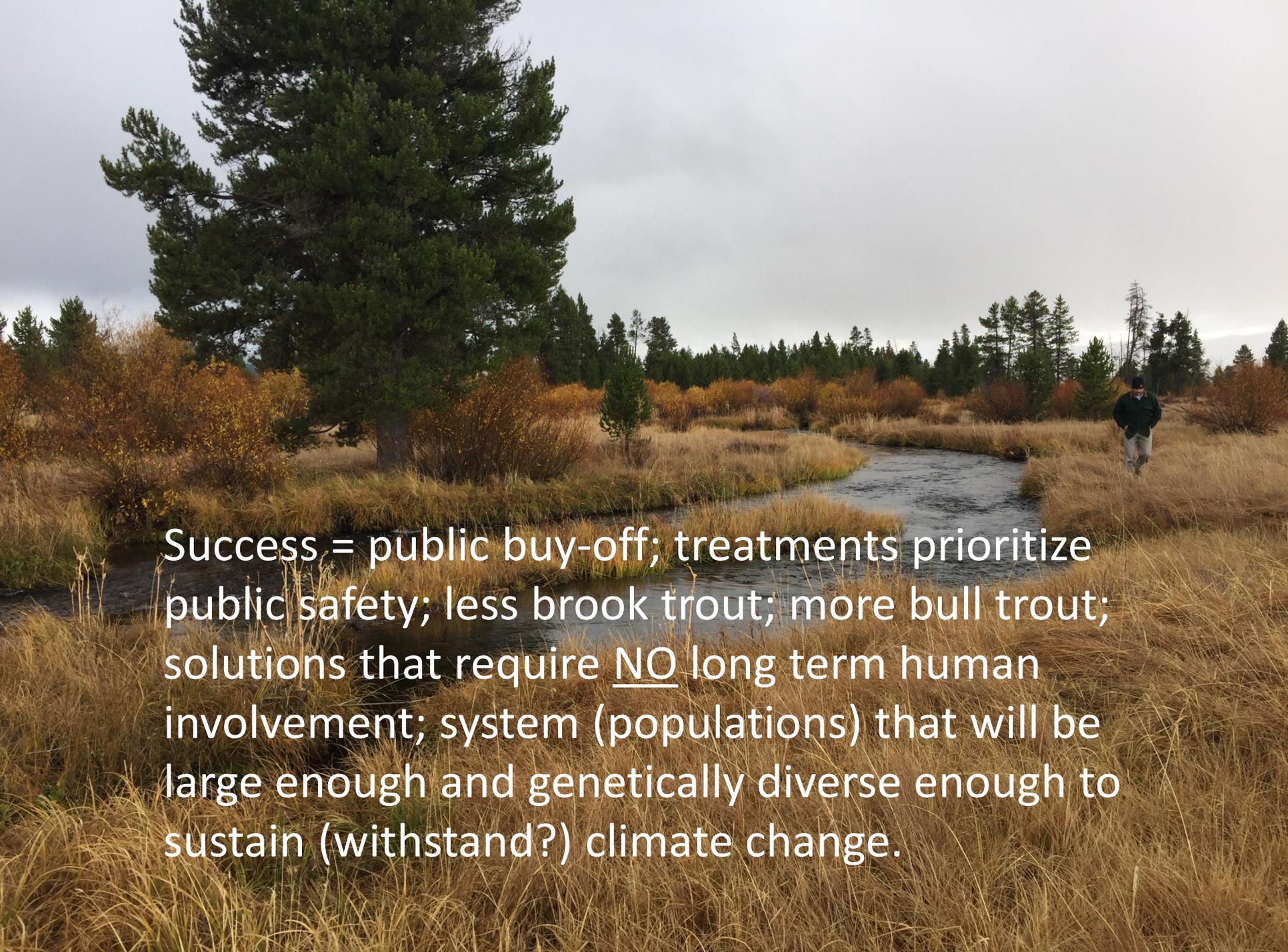


Stages of Success:

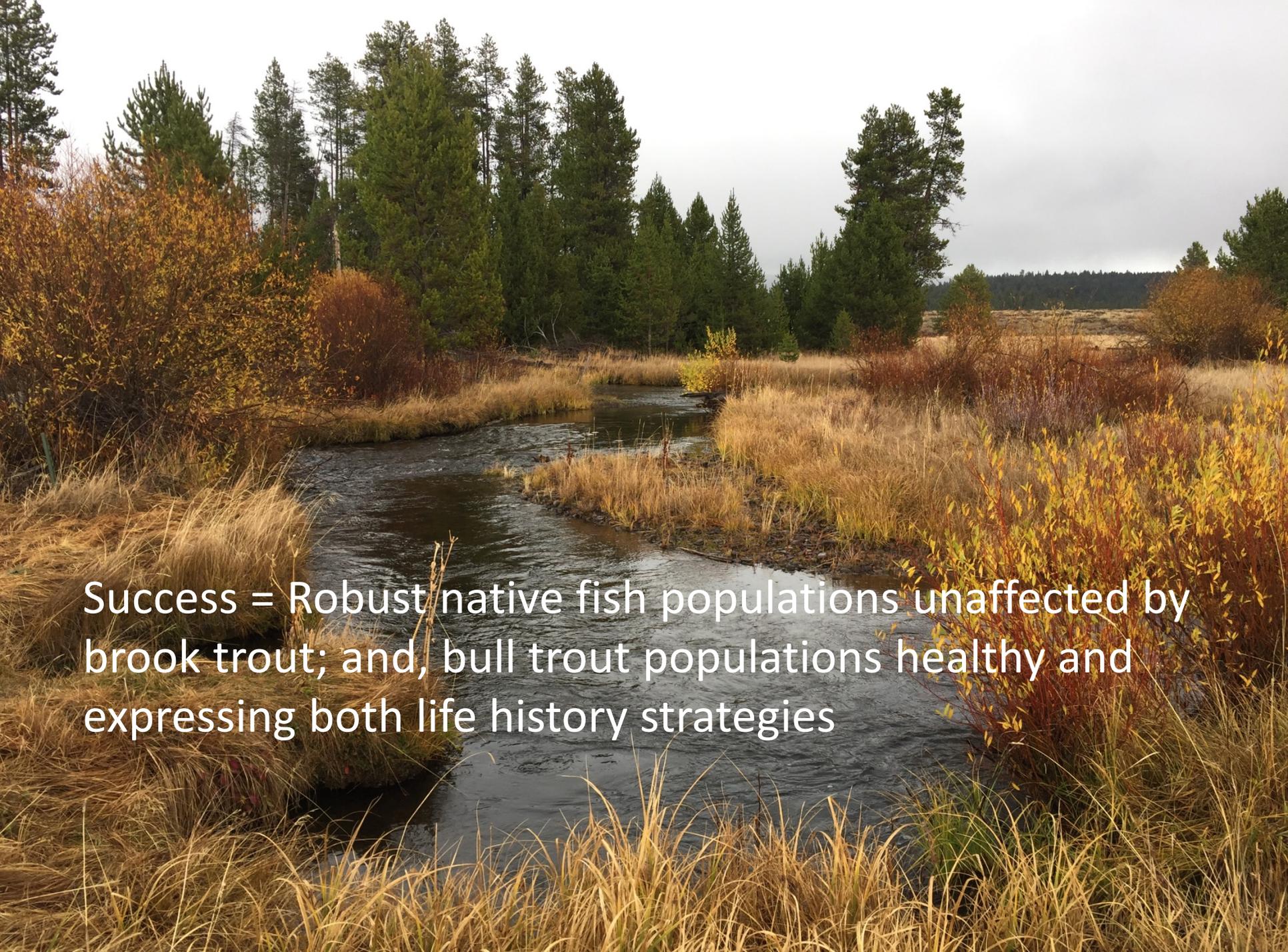
1. Removal of brook trout from Meadow Fork
2. Removal of brook trout seed source
3. Removal of brook trout above Rd. 1648
4. Removal of brook trout from Upper Action Area
5. Removal of brook trout from Mid Action Area
6. Removal of brook trout from lower Action Area



Success = No brook trout detected in key habitat
(not necessarily the entire watershed)



Success = public buy-off; treatments prioritize public safety; less brook trout; more bull trout; solutions that require NO long term human involvement; system (populations) that will be large enough and genetically diverse enough to sustain (withstand?) climate change.

A scenic view of a river flowing through a landscape with tall grasses and a forest of evergreen trees in the background. The river is the central focus, winding through the scene. The foreground is dominated by tall, golden-brown grasses. The middle ground shows the riverbank with more grasses and some shrubs. The background is a dense forest of tall evergreen trees under a cloudy sky.

Success = Robust native fish populations unaffected by brook trout; and, bull trout populations healthy and expressing both life history strategies



Success=

- Brook trout eradication
- Solid plan with outreach and support
- Collaboration with necessary entities

A landscape photograph showing a meadow with a stream in the foreground. The meadow is filled with tall, dry grasses. In the background, there are several evergreen trees and a range of mountains under a sky with large, white and grey clouds. The sun is visible in the upper right corner, creating a bright glow.

Need: Secure Meadow Fork, including Big Creek to Logan Valley (remove brook trout and reestablish bull trout)
Clean out High Lake and Lake creek to Logan Valley Meadow

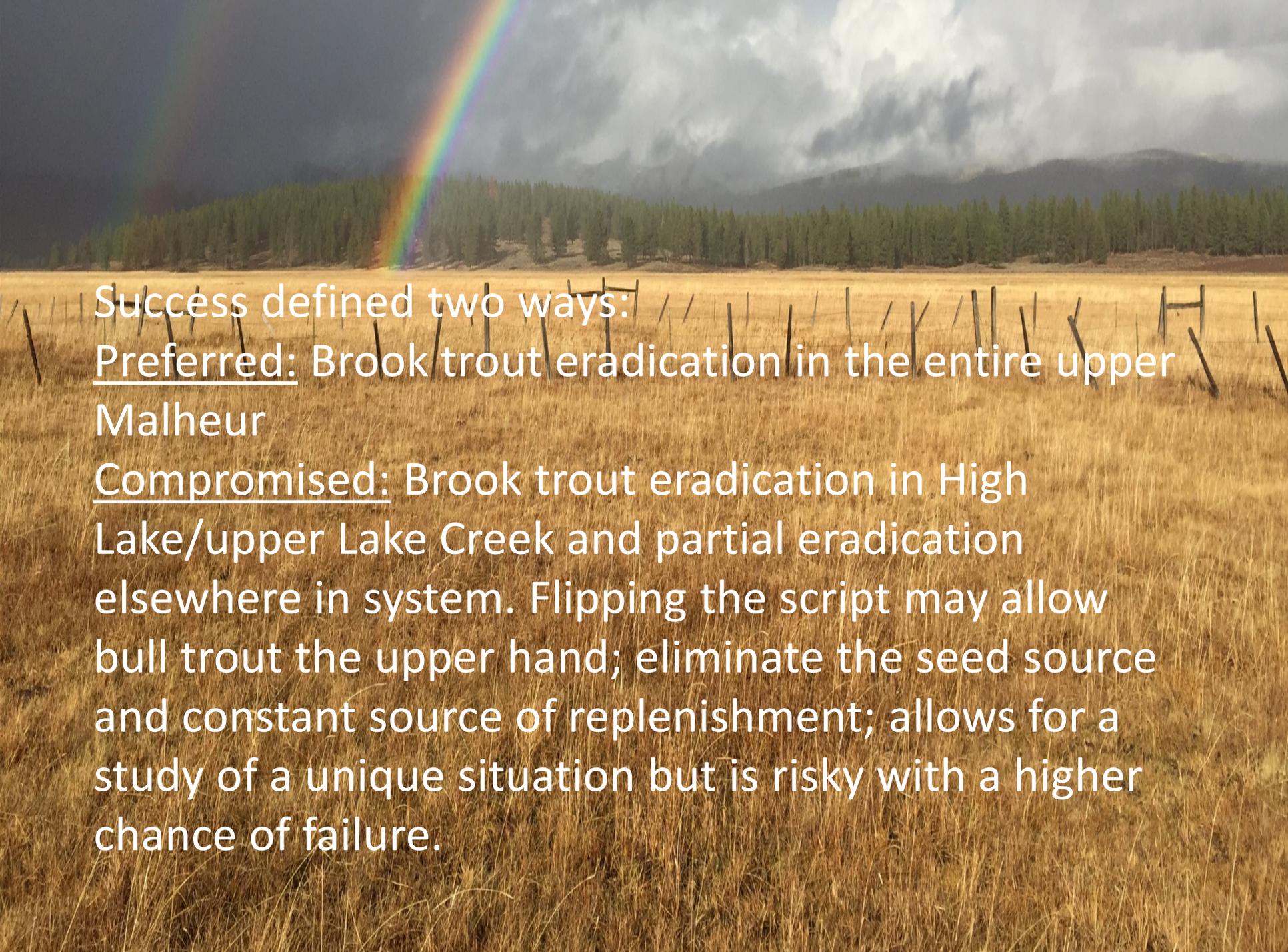
Nice: Remove brook trout and restore bull trout down to Lake Creek/Big Cr confluence (i.e. complete upper section treatment)

Gravy: Complete Middle section

Extra Gravy: Complete Lower section

Success = self sustaining bull trout population;
brook trout at undetectable levels, and no
indication of hybridization within the treatment
reach



A landscape photograph featuring a vibrant rainbow arching across a cloudy sky. Below the rainbow is a dense line of evergreen trees, and in the foreground, a vast field of golden-brown grass is visible, with a rustic wooden fence running across it.

Success defined two ways:

Preferred: Brook trout eradication in the entire upper Malheur

Compromised: Brook trout eradication in High Lake/upper Lake Creek and partial eradication elsewhere in system. Flipping the script may allow bull trout the upper hand; eliminate the seed source and constant source of replenishment; allows for a study of a unique situation but is risky with a higher chance of failure.

Success = establishing a self sustaining genetically pure native fish assemblage that will persist over time







