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Snake River Stewardship Program

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Snake River Stewardship Program Feasibility Study

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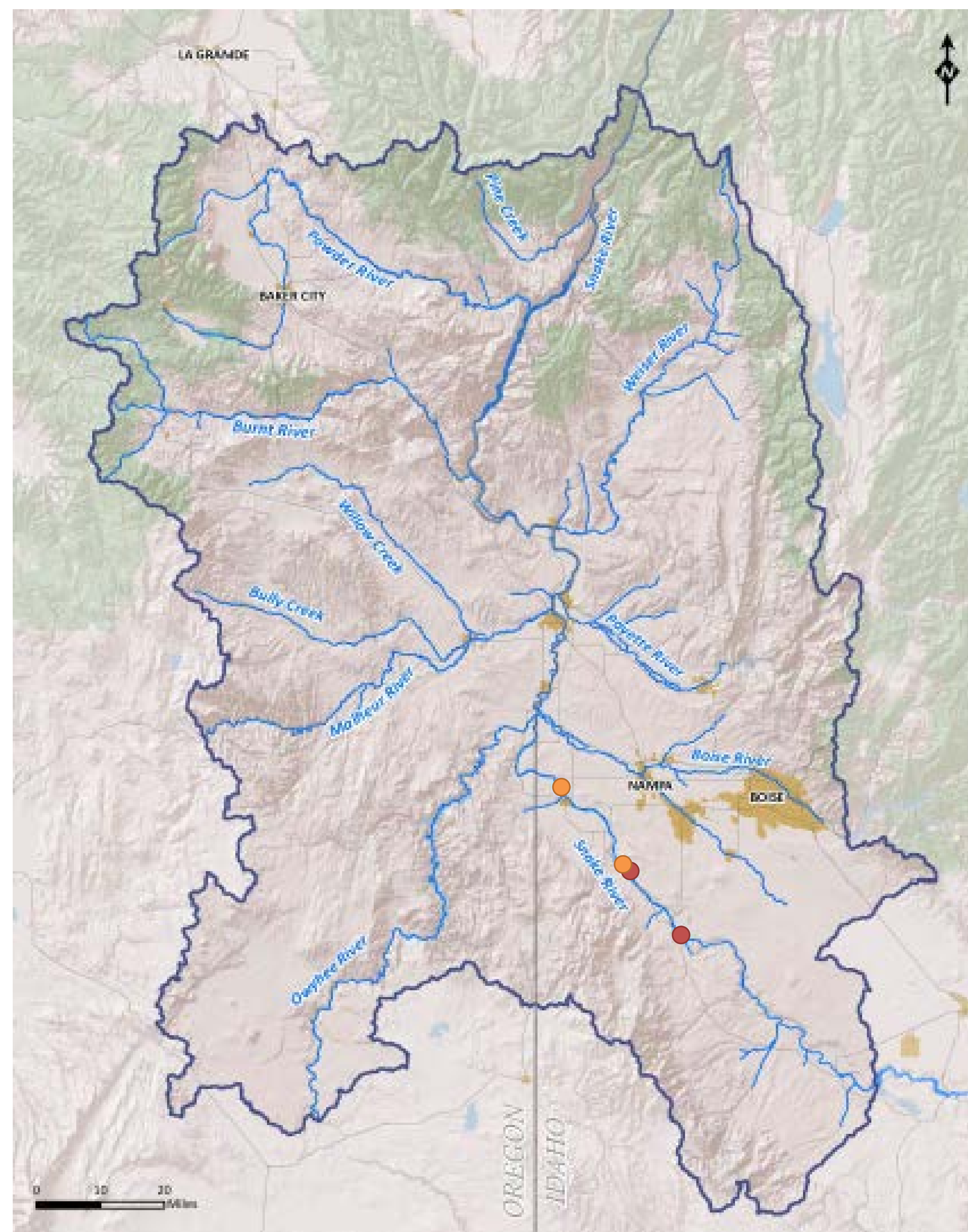
Acknowledgments: Idaho Power Company (IPC) and John Bernardo & Brett Dumas

The Snake River Stewardship Program (SRSP) is a comprehensive program designed to address elevated water temperatures downstream from the Hells Canyon Complex. There are three major components of the SRSP: instream restoration actions, restoring riparian vegetation, and implementing irrigation best management practices.

Number of Trees and Shrubs Needed to Support SRSP					
Year	# New Sites	Acres (2.2/site)	Trees	Shrubs	Total Plants
Year 1	2	4.4	2,200	4,840	7,040
Year 2	3	6.6	3,300	7,260	10,560
Year 3	3	6.6	3,300	7,260	10,560
Year 4	4	8.8	4,400	9,680	14,080
Year 5	6	13.2	6,600	14,520	21,120
Year 6	6	13.2	6,600	14,520	21,120
Year 7	8	17.6	8,800	19,360	28,160
Year 8	8	17.6	8,800	19,360	28,160
Year 9	8	17.6	8,800	19,360	28,160
Year 10	8	17.6	8,800	19,360	28,160
Year 11	8	17.6	8,800	19,360	28,160
Year 12	6	13.2	6,600	14,520	21,120
Year 13	6	13.2	6,600	14,520	21,120
Year 14	4	8.8	4,400	9,680	14,080
Year 15	4	8.8	4,400	9,680	14,080
Year 16	4	8.8	4,400	9,680	14,080
Year 17	4	8.8	4,400	9,680	14,080
Year 18	2	4.4	2,200	4,840	7,040
Year 19	2	4.4	2,200	4,840	7,040
Year 20	2	4.4	2,200	4,840	7,040
TOTAL	98	215.6	107,800	237,160	344,960

Map of SRSP Area

Provided by: The Freshwater Trust



Most Feasible: 1. IPC Builds and Runs Nursery

24' x 48' Greenhouse can accommodate **28,200** plants

- Gothic Arch Greenhouse: \$68,598
- Furniture: \$8,190
- Bouldin & Lawson Seeder: \$10,000
- Stuewe & Sons Blocks: \$3,500

We conducted a feasibility study of the options to support the 2nd component of SRSP.

1. IPC builds and runs nursery.
2. IPC builds nursery and hires contractors to run it.
3. IPC purchases all plants from third party nurseries.



Five-wall insulated polycarbonate greenhouse from Gothic Arch Greenhouses similar to one needed for IPC.



Plug grown in a 20 in³ container.



Pilot Project





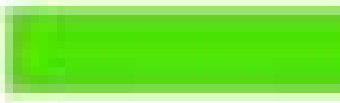

1x2 foot blocks for growing plugs (From Stuewe & Sons).



End Goal

Map of 55 proposed instream restoration projects.

Provided by: The Freshwater Trust

Legend	Restoration Action	Number of Projects	Total Acreage	Average Daily Uplift (kcal/day)
	Wetland/Floodplain Matrix	7	158	4,444,000,000
	Inset Floodplain	25	247	4,904,000,000
	Island Enhancement	21	231	5,680,000,000
	Island Creation	2	8	188,000,000
	Total	55	644	15,216,000,000

