

An aerial photograph of the Eagle Creek National Fish Hatchery. The facility features several large, rectangular raceways filled with water, arranged in a grid-like pattern. There are several buildings, including a large white one and a smaller one with a green roof. The hatchery is surrounded by dense forest with trees in various shades of green and yellow, suggesting an autumn setting. A road or path runs through the center of the facility.

Eagle Creek National Fish Hatchery

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In Its Fifty-third Year of Publication.

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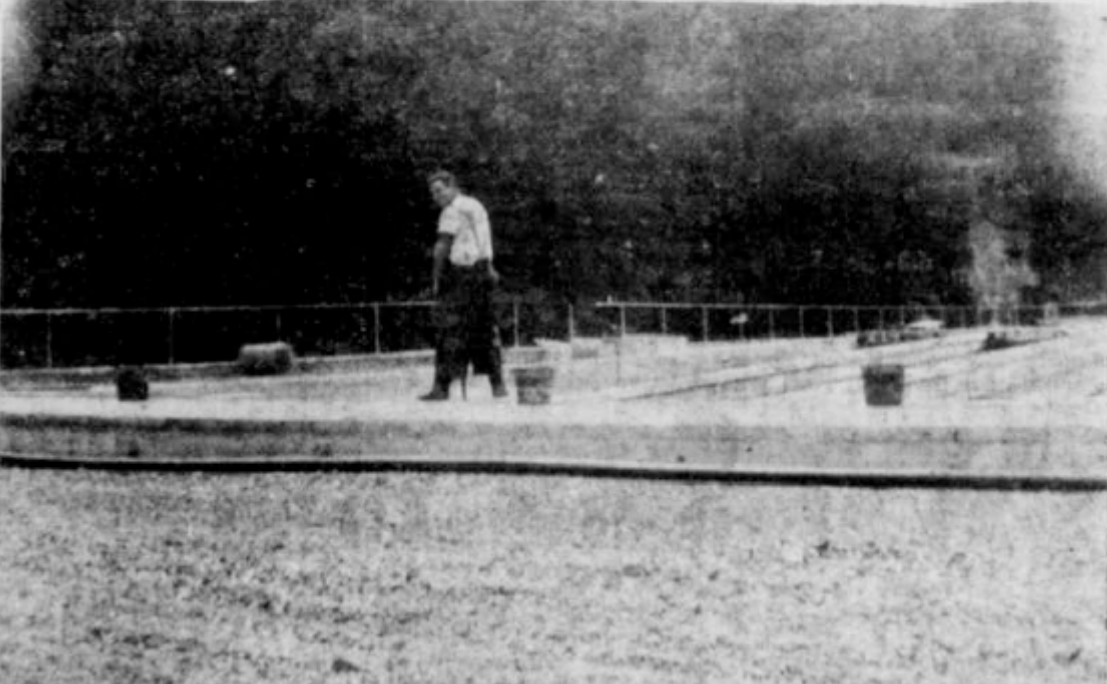


This Person & That

By C.T.E.

Estacada's greatest day was in 1912 when an attempt was made to create Cascade County out of a portion of east Clackamas county. With a well organized campaign committee for several weeks all Clackamas county knew there was something going on and in the eastern part it was bitter, heated and, on the part of some, fanatical. The sores made at that time were years in healing. All kinds of stories have been told of what happened in those turbulent times, many of which had no truth in them. The one about the fighting and rioting is the Estacada 'saloons' every night by bitter partisans is all false, as there wasn't a beer parlor open in the town.

New U. S. Fish Hatchery Located on One of Eagle Creek's Many Beauty Spots in the Dodge Countryside

In the beginning

- Built in 1955 to mitigate for losses of salmonids in the Columbia River Basin due to dam construction.
- Mitchell Act authorized and funded
- Began by producing spring and fall Chinook

Chinook at Eagle Creek

- Fall Chinook ended production in 1957
 - Not making it back to the hatchery-low flows
- Spring Chinook 1956-1987ish

EAGLE CREEK NFH SPRING CHINOOK PRODUCTION

BY	ON STATION RELEASES			TRANSFERS	TOTAL
	FRY	0-AGE	YEARLING		
58	0	0	749,100	0	749,100
59	0	0	533,372	0	533,372
60	0	0	180,945	0	180,945
61	0	0	882,963	57,616	940,579
62	0	0	1,211,138	343,403	1,554,541
63	0	0	2,458,783	30,993	2,489,776
64	0	0	1,386,951	2,360,633	3,747,584
65	0	200,000	1,813,431	824,991	2,838,422
66	0	0	1,404,000	33,900	1,437,900
67	0	0	1,157,613	35,730	1,193,343
68	0	0	650,375	36,718	687,093
69	0	0	460,150	0	460,150
70	0	0	75,388	0	75,388
71	0	0	954,089	2,300	956,389
72	0	0	552,510	2,000	554,510
73	0	0	606,570	0	606,570
74	0	0	848,651	0	848,651
75	0	0	251,943	281,213	533,156
76	0	0	782,473	0	782,473
77	0	0	421,327	398,629	819,956
78	0	0	402,144	0	402,144
79	0	0	940,647	172,113	1,112,760
80	0	0	589,624	99,994	689,618
81	252,251	0	540,308	0	792,559
82	0	245,685	455,570	910	702,165
83	0	207,858	414,467	56,874	679,199
84	0	200,036	269,972	42,676	512,684
85	0	221,603	516,947	40	738,590
86	0	0	0	0	0
87	0	0	0	96	96
88	0	187,128	0	0	187,128
89	0	352,238	0	0	352,238
90	0	556,814	0	0	556,814

Height of production in the 90's

Coho

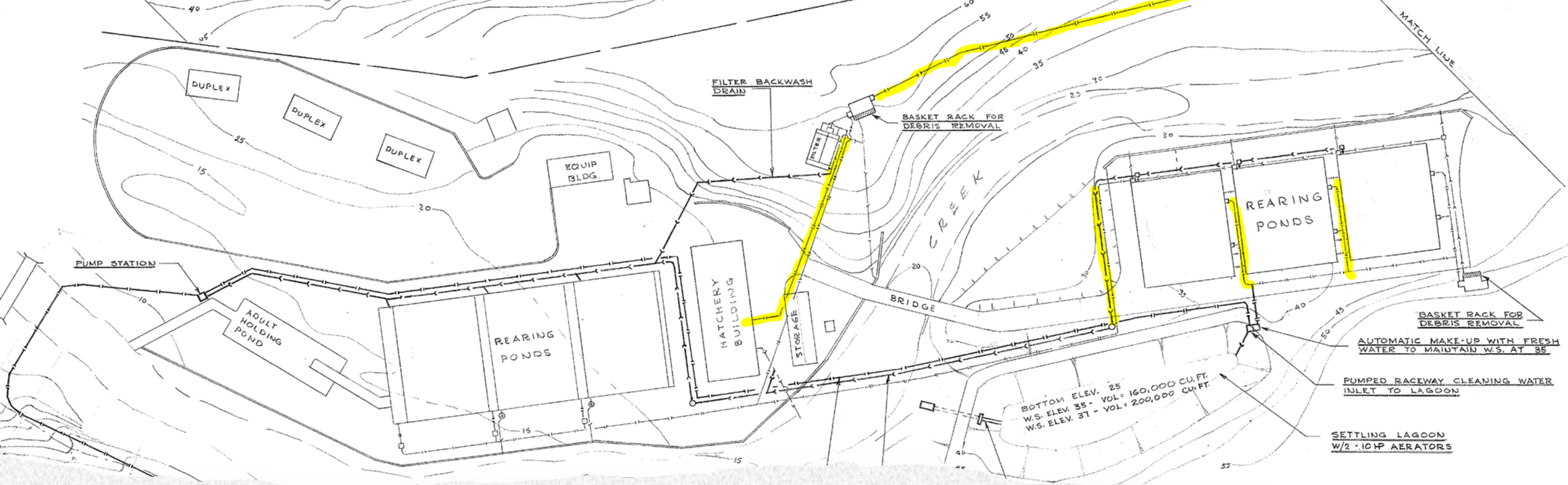
- 1M on-station
- 1M SAFE- Youngs bay net pens
- 1M Yakama

Winter Steelhead

- 200K on-station
- 20K net pens at Oregon City
- 70K Clackamas Hatchery

Spring Chinook

- 450K Umatilla River



Historic Production Challenges

- Flow through facility with surface water
- Serial reuse- up to 6th use water
- Summer low flows and high temps
- Adult holding

The switch to Coho

- Low flows and high temps
- Shifting priorities

EAGLE CREEK NFH - SPRING CHINOOK RETURNS												
RY	HC	SPE	MALES	FEMALES	JACKS	UNKNOWN	TOTAL	MSPAWN	FSPAWN	FRATIO	EGGSTAKEN	AVGEGGS
61	EC	SCS	485	467	177	0	1129	0	0	0.00	0	0
62	EC	SCS	2022	761	38	0	2821	0	0	0.00	0	0
63	EC	SCS	1138	1299	2475	0	4912	0	0	0.00	0	0
64	EC	SCS	711	563	12	0	1286	0	0	0.00	0	0
65	EC	SCS	206	89	36	0	331	0	0	0.00	0	0
66	EC	SCS	548	375	25	0	948	0	0	0.00	0	0
67	EC	SCS	240	385	25	0	625	0	0	0.00	0	0
68	EC	SCS	176	171	7	0	354	0	0	0.00	0	0
69	EC	SCS	180	280	11	0	471	0	0	0.00	0	0
70	EC	SCS	179	57	17	0	253	0	0	0.00	0	0
71	EC	SCS	757	497	0	0	1254	0	0	0.00	0	0
72	EC	SCS	494	279	17	0	790	123	210	1.71	962234	4582
73	EC	SCS	537	324	9	0	870	82	85	1.04	379211	4461
74	EC	SCS	469	603	11	0	1083	93	202	2.17	1063100	5263
75	EC	SCS	165	75	13	0	253	74	71	0.96	296094	4170
76	EC	SCS	568	467	117	0	1152	461	307	0.67	1325058	4316
77	EC	SCS	793	793	5	0	1591	421	306	0.73	1144822	3741
78	EC	SCS	484	699	0	0	1183	167	187	1.12	839671	4490
79	EC	SCS	1414	1396	44	0	2854	227	190	0.84	936860	4931
80	EC	SCS	611	699	43	0	1353	175	128	0.73	585104	4571
81	EC	SCS	458	0	1	0	812	136	27	0.20	270995	****
82	EC	SCS	525	361	19	0	905	150	147	0.98	692583	4711
83	EC	SCS	331	192	57	0	580	51	48	0.94	199608	4158
84	EC	SCS	530	447	55	0	1032	261	252	0.97	1082886	4297
85	EC	SCS	324	346	56	0	726	230	264	1.15	1259948	4773
86	EC	SCS	314	217	71	0	602	114	111	0.97	444000	4000
87	EC	SCS	407	268	0	663	1338	8	12	1.50	48000	4000
88	EC	SCS	620	740	13	0	1373	46	43	0.93	209600	4874
89	EC	SCS	610	448	0	79	1137	203	194	0.96	1087825	5607
90	EC	SCS	409	457	3	0	869	272	211	0.78	949500	4500
91	EC	SCS	44	44	0	0	88	38	38	1.00	190178	5005

Current Production

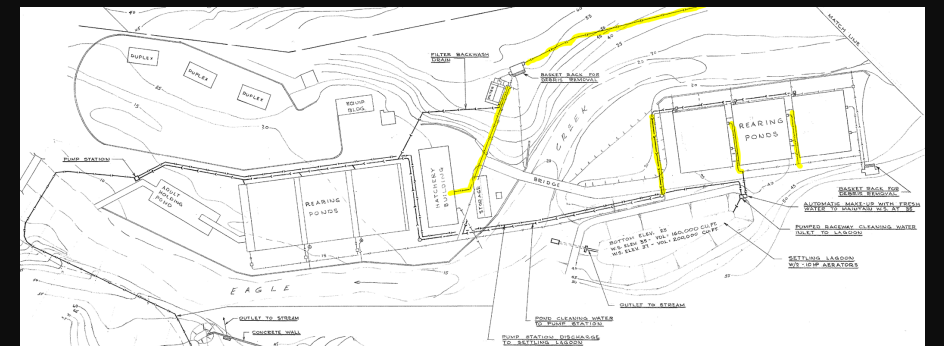
350K on-station

500K Yakama

700K Willard NFH BY25 &26

Current Production challenges

- Flow through facility with surface water only source
 - Spring water for incubation
- Serial reuse with no water conditioning
- NPDES
- Crumbling infrastructure
- **Funding**



Eagle Creek NFH – Water Rights

Water Source / Use	Type	Volume Limit (CFS)
Fish Culture	Surface Water	22.00
Irrigation	Surface Water	0.02
Incubation (spring)	Groundwater / Spring	0.02
Fish Ladder (primary)	Surface Water	27.00
Fish Ladder (secondary)	Surface Water	27.00
Fish Culture (high-flow right)	Surface Water	34.00
Domestic Well	Groundwater	0.03
Hydro	Surface Water	

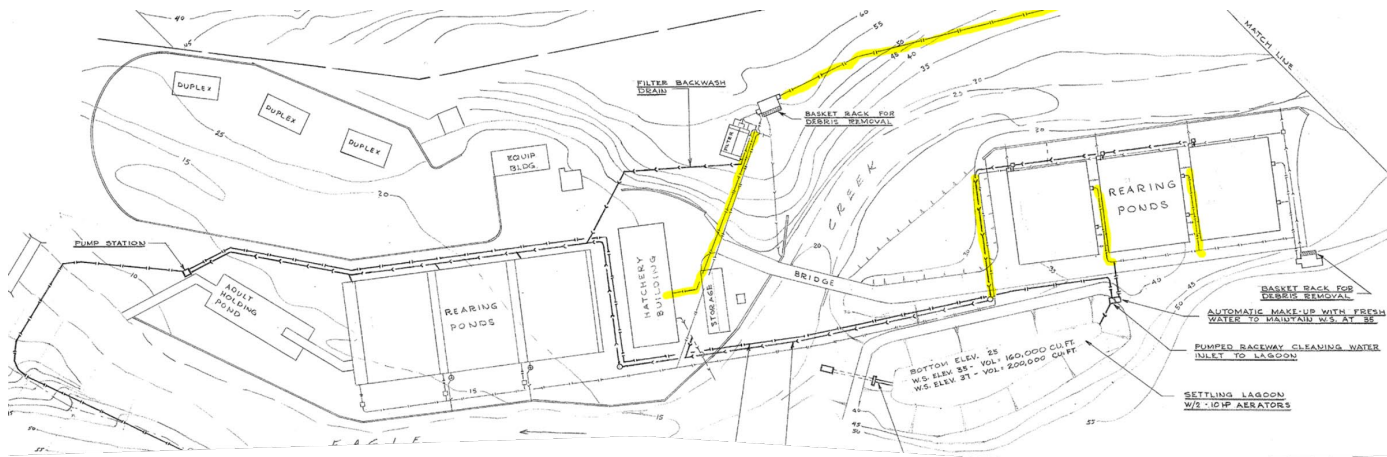
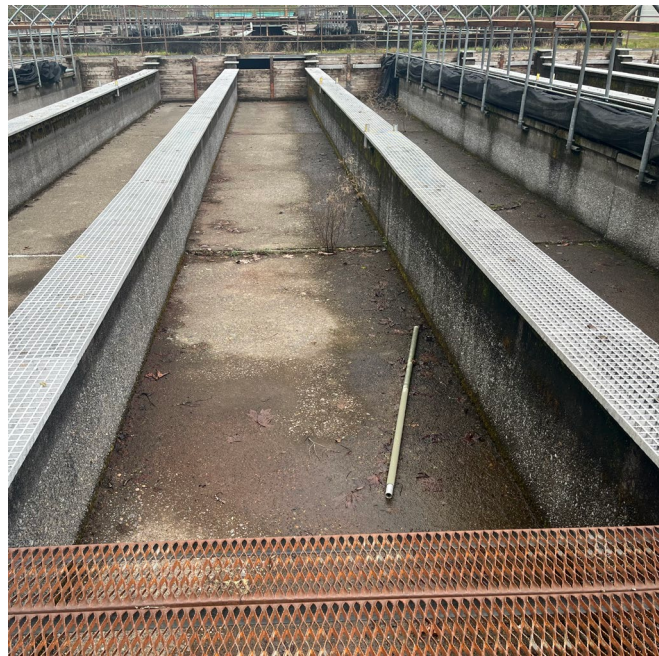
Average Monthly Flow (2020–2025)

Flows represent water through the hatchery and do not capture flows through Eagle Creek.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	24.22	23.94	24.31	21.56	21.92	23.08	23.61	20.0	15.63	20.41	26.88	27.92
2021	28.07	29.51	28.21	17.4	15.74	13.62	13.57	13.53	12.52	19.43	21.87	21.84
2022	21.85	21.97	21.13	24.43	24.17	22.81	22.86	15.97	14.64	16.71	27.71	32.66
2023	33.41	33.08	26.18	29.77	21.54	25.17	17.23	12.94	13.3	16.71	24.56	25.03
2024	25.73	25.56	29.33	22.54	19.32	18.72	17.82	17.0	15.68	14.95	15.52	16.75
2025	16.56	23.76	18.0	14.0	20.84	24.65	19.98	15.14	13.16	14.73	18.98	19.13

Average / Max Monthly Temperatures (2020–2025)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	41.6 / 44.5	40.6 / 44.1	40.0 / 44.2	43.1 / 48.3	47.6 / 56.1	50.4 / 60.0	57.0 / 67.0	58.6 / 66.2	55.6 / 62.7	48.9 / 57.1	43.5 / 50.5	42.0 / 46.2
2021	41.8 / 46.7	39.9 / 42.7	40.3 / 44.5	42.5 / 49.0	46.7 / 54.8	56.2 / 73.8	61.3 / 67.8	60.9 / 69.5	54.7 / 62.3	47.4 / 52.0	45.3 / 49.8	41.5 / 47.7
2022	40.3 / 42.4	39.0 / 42.1	41.8 / 46.5	41.2 / 52.2	44.3 / 49.4	49.8 / 60.9	58.7 / 69.8	61.3 / 68.7	56.8 / 64.3	50.7 / 57.6	40.9 / 48.0	39.7 / 41.5
2023	40.3 / 43.9	38.4 / 42.8	38.8 / 43.3	40.8 / 46.3	47.4 / 57.5	55.0 / 66.1	61.2 / 68.9	61.3 / 70.7	55.1 / 61.5	49.3 / 55.8	44.0 / 50.9	43.7 / 47.2
2024	40.8 / 43.9	40.9 / 43.7	41.0 / 45.3	43.8 / 51.0	46.3 / 59.9	51.5 / 60.2	60.2 / 68.5	59.2 / 68.9	56.1 / 64.4	48.8 / 53.8	44.1 / 47.1	42.4 / 46.0
2025	39.8 / 44.8	38.3 / 44.1	42.0 / 45.4	45.0 / 51.6	49.1 / 57.7	54.9 / 65.8	60.9 / 69.2	60.9 / 68.3	57.3 / 65.9	48.0 / 54.1	46.4 / 50.5	44.8 / 49.4

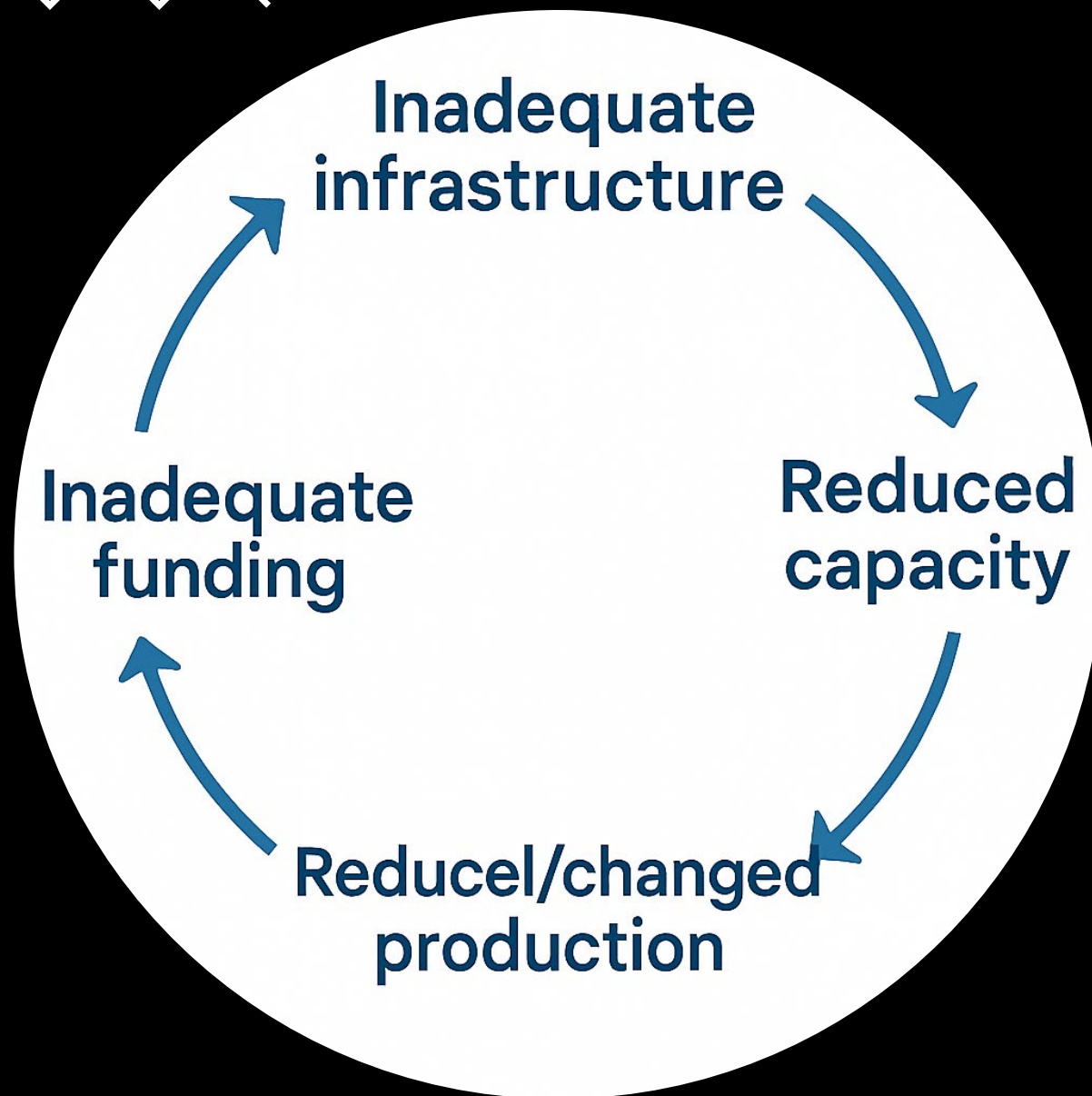


Infrastructure condition

- Upper decks
- Reuse
- Incubation pipe



The revolving funding issue



- MA only funding source
- Flat funding for 20+ years
- Funding issues mentioned in 1997 & 2007 reviews
 - Low staffing and crumbling infrastructure
 - Reduce production
- Enough to keep open not enough for infrastructure and staffing maintenance



Succes
despite
challenges

High SAR- 1.8%

Yakama

Nez Perce Coho

ODFW Meckenzie SFH SCS



Hatchery assets

- Staff
 - 2 bio-techs
 - volunteers- close to Portland
- Space
 - 704 Acres
 - 75 Raceways
 - 10 troughs
 - 38 Heath stacks
 - 6 boxes
- No dams

\$olutions?
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RAS/PRAS

SCS

Groundwater

FCH/ URB

Chillers

Alternative
species

Questions,
suggestions, and
proposals welcome!

