

Lyons Ferry Options



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Lower Snake River Compensation Plan Office

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Project

- Remove rocks
- Line sides
 - Concrete or liner?
- Sikaflex expansion joints



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Garrison Dam NFH

Garrison Dam National Fish Hatchery Pond layout – Year Lined – Liner Type as of December 15, 2024

1 – 2005	2 – 2007	3 – 2009	4 – 2009	5 – 2009		
11 – 2004	10 – 2007	9 – 2007	8 – 2009	7 – 2009	6 – 2008	24 – 2009
12 – 2002	13 – 2004	14 – 2005	15 – 2008	16 – 2008	17 – 2005	
23 – 2004	22 – 2006	21 – 2009	20 – 2006	19 – 2009	18 – 2009	

29 – 2023	30 3	39 – 2021	40 – 2019	49 – 2016	50 – 2019	59 – 2019	60 – 2019
28 – 2023	31 2	38	41	48 9	51	58 – 2021	61 – 2021
32 6	32	37	42 – 2023	47 5	52	57 – 2021	62 – 2016
26 – 2023	33 10	36	43 4	46 7	53	56 – 2016	63 – 2005 **Failed**1
25 – 2023	34 8	35	44	45	54	55 – 2016	64 – 2021

Unlined

Hypalon

Polypropylene

EPDM
**** Need to be replace ASAP**

Polyethylene



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Garrison Notes

- Oldest liners are 22 years old
- Polypropylene has been the most effective
- EPDM has failed early
- Connection to concrete is done with aluminum strip and anchor bolts with Sikaflex or silicone gasket
- Cost - \$200K per acre (Three Lyons Ferry Ponds are 2.25 acres each)



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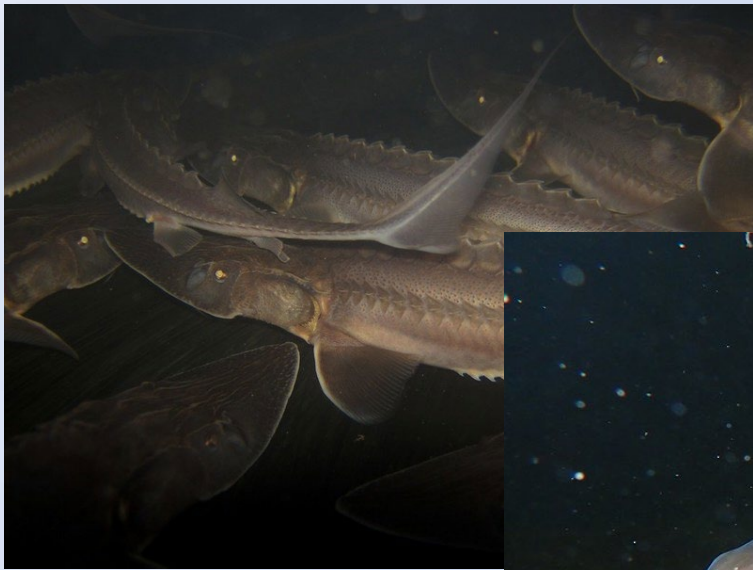


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