**Updated 1 April 2025**

**Best Estimates of Rocky Reach and Rock Island Fish Spill Requirements, 2025-2031**

**As Determined by HCP Fish Survival Study Results**

**(Spill percentages are a proportion of daily-average projected river flow at the Project)**

**2025**

Rocky Reach Spring

* 0% fish spill (April-late May)
* No juvenile salmon survival studies

Rocky Reach Summer

* 9% fish spill (start approx. 6/1 - end approx. 8/20)
* No juvenile salmon survival studies

Rock Island Spring

* 10% fish spill (start approx. 4/17 - end approx. 5/31)
* No juvenile salmon survival studies

Rock Island Summer

* 20% fish spill (start approx. 6/1 - end approx. 8/20)
* No juvenile salmon survival studies

**2026**

Rocky Reach Spring

* 0% fish spill (April-late May)
* No juvenile salmon survival studies

Rocky Reach Summer

* 9% fish spill (start approx. 6/1 - end approx. 8/20)
* Possible survival study (June-July) for summer Chinook smolts at 9% spill level

Rock Island Spring

* 10% fish spill (start approx. 4/17 - end approx. 5/31)
* No juvenile salmon survival studies

Rock Island Summer

* 20% fish spill (start approx. 6/1 - end approx. 8/20)
* Possible survival study (June-July) for summer Chinook smolts at 20% spill level

**2027**

Rocky Reach Spring

* 0% fish spill (April-late May)
* No juvenile salmon survival studies

Rocky Reach Summer

* 9% fish spill (start approx. 6/1 - end approx. 8/20)
* Possible survival study (June-July) for summer Chinook smolts at 9% spill level

Rock Island Spring

* 10% fish spill (start approx. 4/17 - end approx. 5/31)
* No juvenile salmon survival studies

Rock Island Summer

* 20% fish spill (start approx. 6/1 - end approx. 8/20)
* Possible survival study (June-July) for summer Chinook smolts at 20% spill level

**2028**

Rocky Reach Spring

* 0% fish spill (April-late May)
* No juvenile salmon survival studies

Rocky Reach Summer

* 9% fish spill (start approx. 6/1 - end approx. 8/20)
* Possible survival study (June-July) for summer Chinook smolts at 9% spill level

Rock Island Spring

* 10% fish spill (start approx. 4/17 - end approx. 5/31)
* No juvenile salmon survival studies.

Rock Island Summer

* 20% fish spill (start approx. 6/1 - end approx. 8/20)
* Possible survival study (June-July) for summer Chinook smolts at 20% spill level

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**2029**

Rocky Reach Spring

* 0% fish spill (April-late May)
* No juvenile salmon survival studies

Rocky Reach Summer

* 9% fish spill (start approx. 6/1 - end approx. 8/20)
* Possible survival study (June-July) for summer Chinook smolts at 9% spill level

Rock Island Spring

* 10% fish spill (start approx. 4/17 - end approx. 5/31)
* No juvenile salmon survival studies

Rock Island Summer

* 20% fish spill (start approx. 6/1 - end approx. 8/20)
* Possible survival study (June-July) for summer Chinook smolts at 20% spill level

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**2030**

Rocky Reach Spring

* 0% fish spill (April-late May)
* No juvenile salmon survival studies

Rocky Reach Summer

* 9% fish spill (start approx. 6/1 - end approx. 8/20)
* Survival study for summer Chinook smolts: TBD

Rock Island Spring

* 10% fish spill (start approx. 4/17 - end approx. 5/31)
* No juvenile salmon survival studies

Rock Island Summer

* 20% fish spill (start approx. 6/1 - end approx. 8/20)
* Survival study for summer Chinook smolts: TBD

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**2031**

Rocky Reach Spring

* 0% fish spill (April-late May)
* No juvenile salmon survival studies

Rocky Reach Summer

* 9% fish spill (start approx. 6/1 - end approx. 8/20)
* Survival study for summer Chinook smolts: TBD

Rock Island Spring

* 10% fish spill (start approx. 4/17 - end approx. 5/31)
* HCP 10 Year Check-In Spring Survival Study for Juvenile Salmon

Rock Island Summer

* 20% fish spill (start approx. 6/1 - end approx. 8/20)
* Survival study for summer Chinook smolts: TBD

**Table 1. Rocky Reach Best Estimates for Fish Spill Level, Dates, and Survival Studies, 2025-2031**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Spring Spill -****Best Estimate** | **Summer Spill -****Best Estimate** | **Spring** **Fish Study** | **Summer** **Fish Study** |
| 2025 | **0% Firm**April – late May | **9% Firm**Est. 6/1 - 8/20 | None  | None |
| 2026 | **0% Firm**April – late May | **9% Firm**Est. 6/1 - 8/20 | None | Possible Summer Chinook Study |
| 2027 | **0% Firm**April – late May  | **9% Firm**Est. 6/1 - 8/20 | None  | Possible Summer Chinook Study |
| 2028 | **0% Firm**April – late May | **9% Firm**Est. 6/1 - 8/20 | None | Possible Summer Chinook Study |
| 2029 | **0% Firm**April – late May | **9% Firm**Est. 6/1 - 8/20 | None | Possible Summer Chinook Study |
| 2030 | **0% Firm**April – late May | **9% Firm**Est. 6/1 - 8/20 | None | TBD |
| 2031 | **0% Firm**April – late May | **9% Firm**Est. 6/1 - 8/20 | None | TBD |

**Table 2. Rock Island Best Estimates for Fish Spill Level, Dates, and Survival Studies, 2025-2031**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Spring Spill -****Best Estimate** | **Summer Spill -****Best Estimate** | **Spring** **Fish Study** | **Summer** **Fish Study** |
| 2025 | **10% Firm**Est. 4/17 – 5/31 | **20% Firm**Est. 6/1 - 8/20 | None | None |
| 2026 | **10% Firm**Est. 4/17 – 5/31 | **20% Firm**Est. 6/1 - 8/20 | None | PossibleSummer Chinook Study |
| 2027 | **10% Firm**Est. 4/17 – 5/31 | **20% Firm**Est. 6/1 - 8/20 | None | PossibleSummer ChinookStudy |
| 2028 | **10% Firm**Est. 4/17 – 5/31 | **20% Firm**Est. 6/1 - 8/20 | None | PossibleSummer Chinook Study |
| 2029 | **10% Firm**Est. 4/17 – 5/31 | **20% Firm**Est. 6/1 - 8/20 | None | PossibleSummer Chinook Study |
| 2030 | **10% Firm**Est. 4/17 – 5/31 | **20% Firm**Est. 6/1 - 8/20 | None | TBD |
| 2031 | **10% Firm**Est. 4/17 – 5/31 | **20% Firm**Est. 6/1 - 8/20 | HCP 10 Year Check-in Survival Study | TBD |