Comparison of ESPAM2.1 and ESPAM2.0 via the 1/1/1961 Curtailment Scenario

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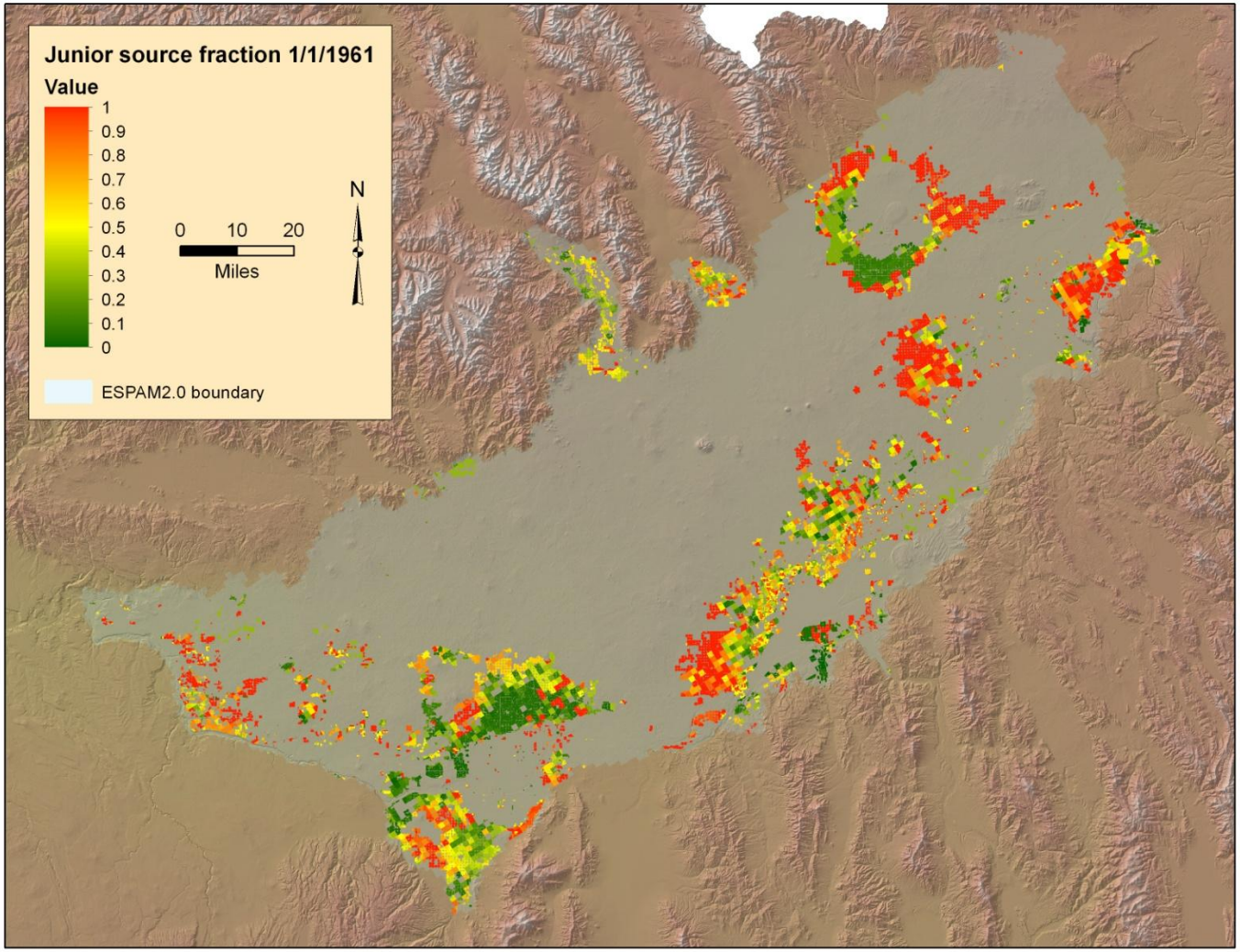
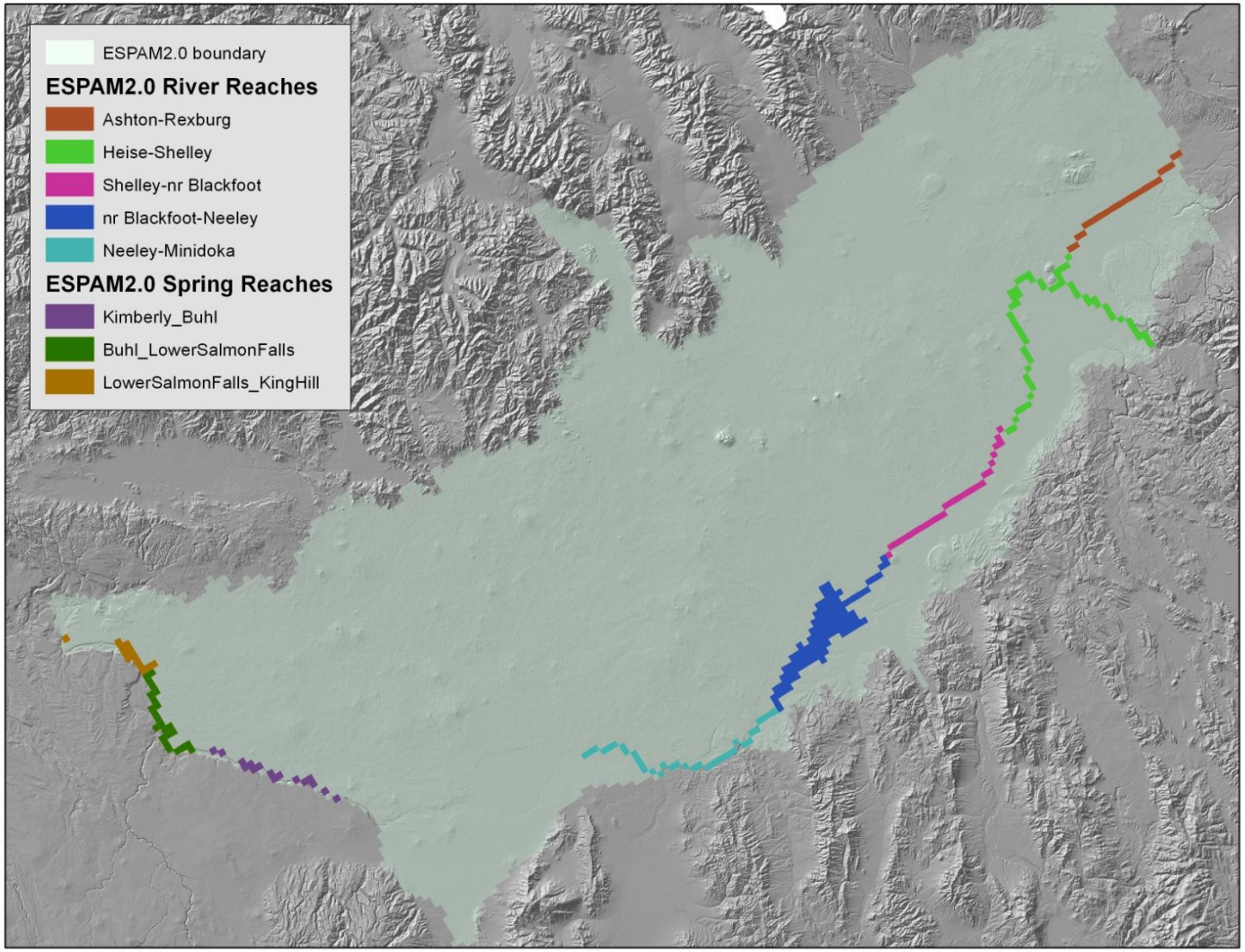
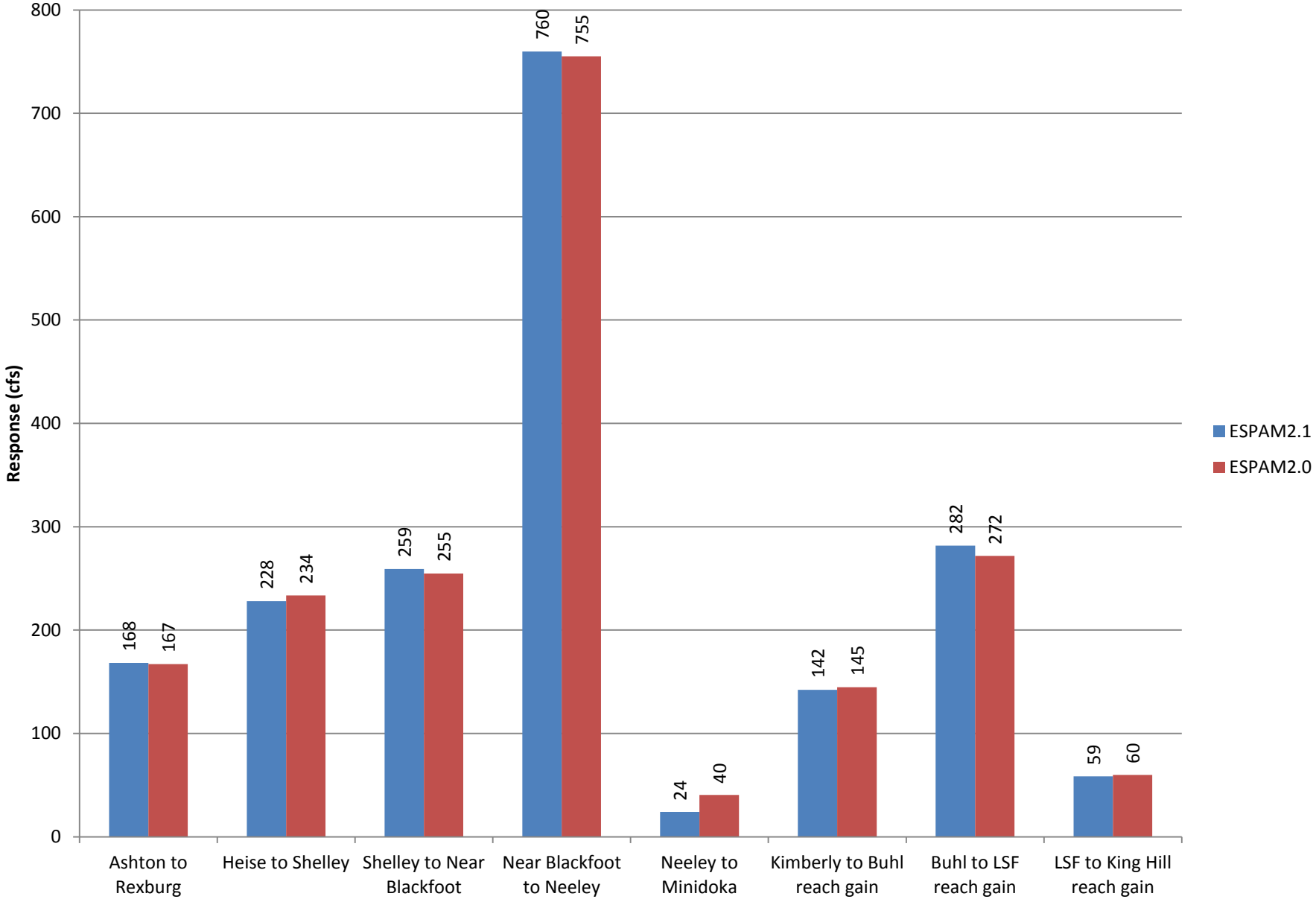
Curtailment of groundwater irrigation junior to 1/1/1961



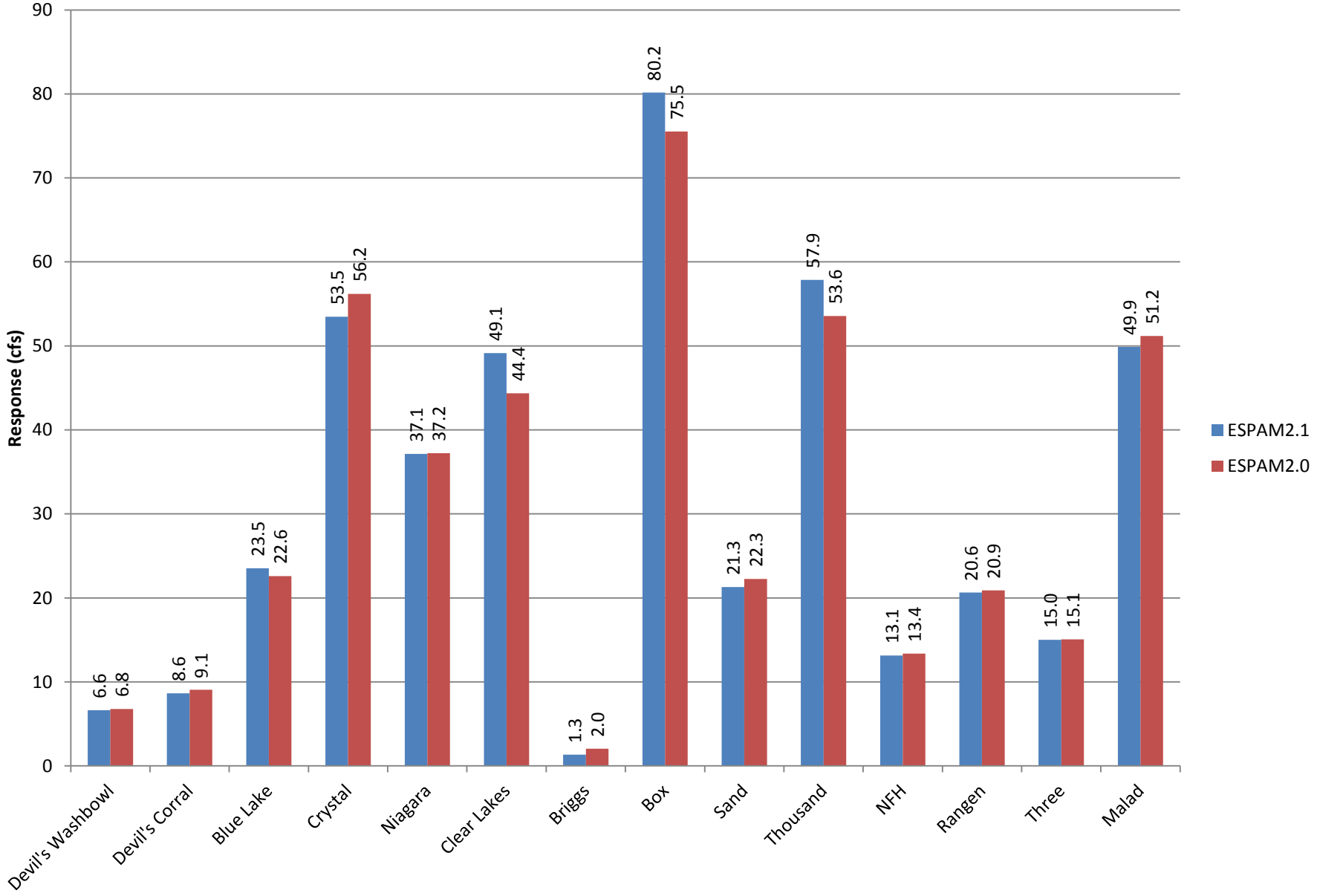
River Reaches for Calibration of ESPAM2.1



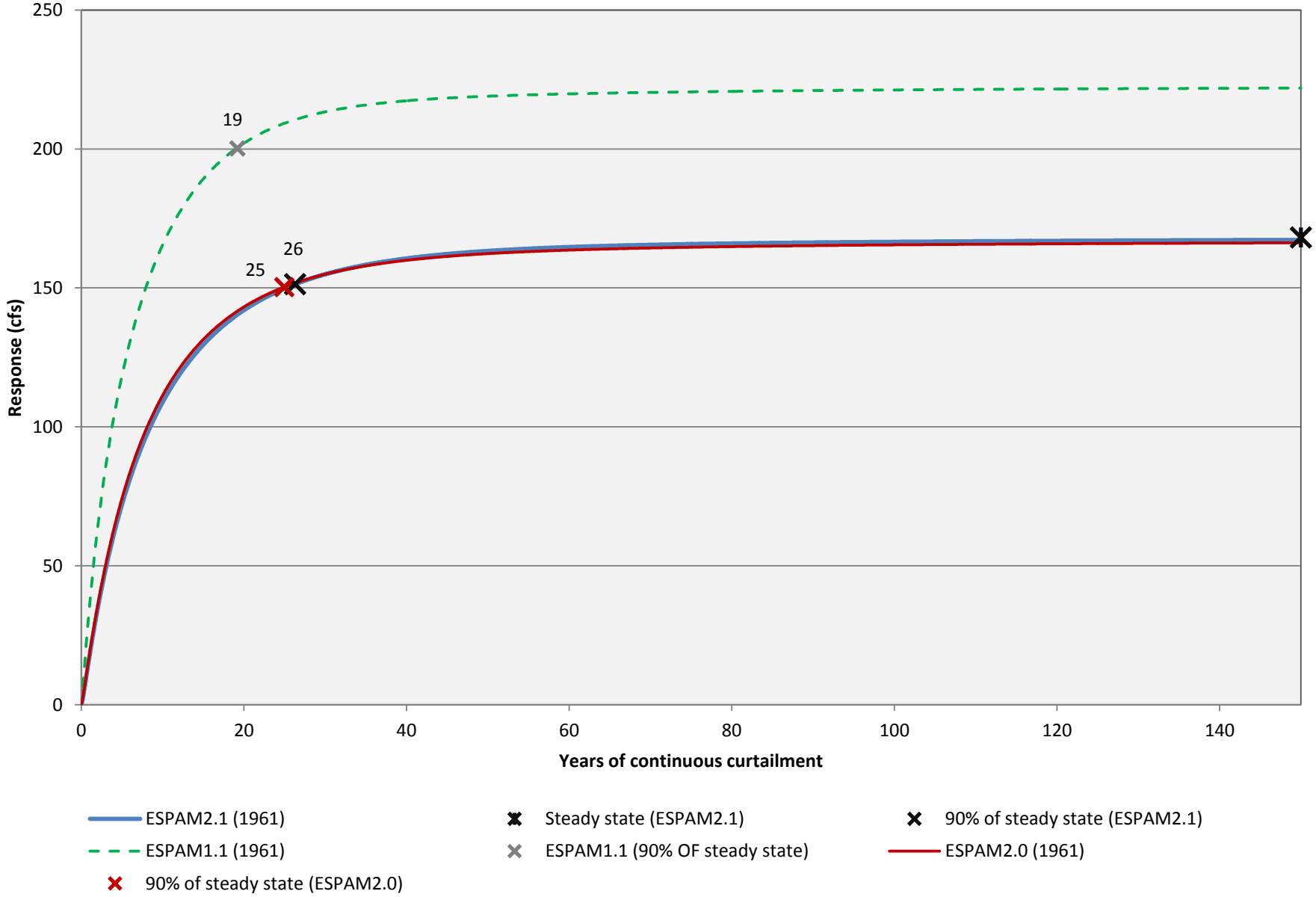
Response to curtailment of groundwater irrigation junior to 1/1/1961

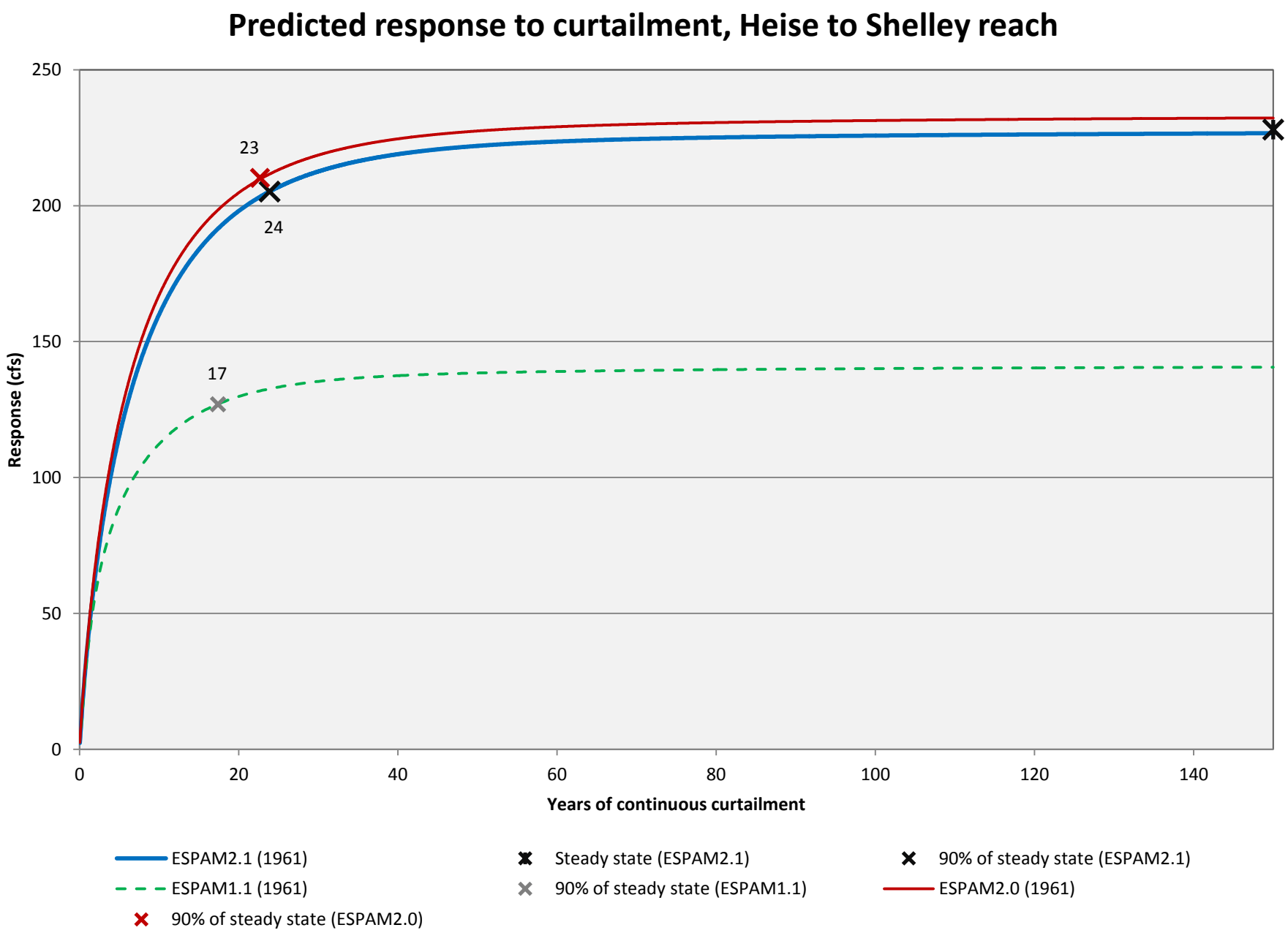


Response to curtailment of groundwater irrigation junior to 1/1/1961

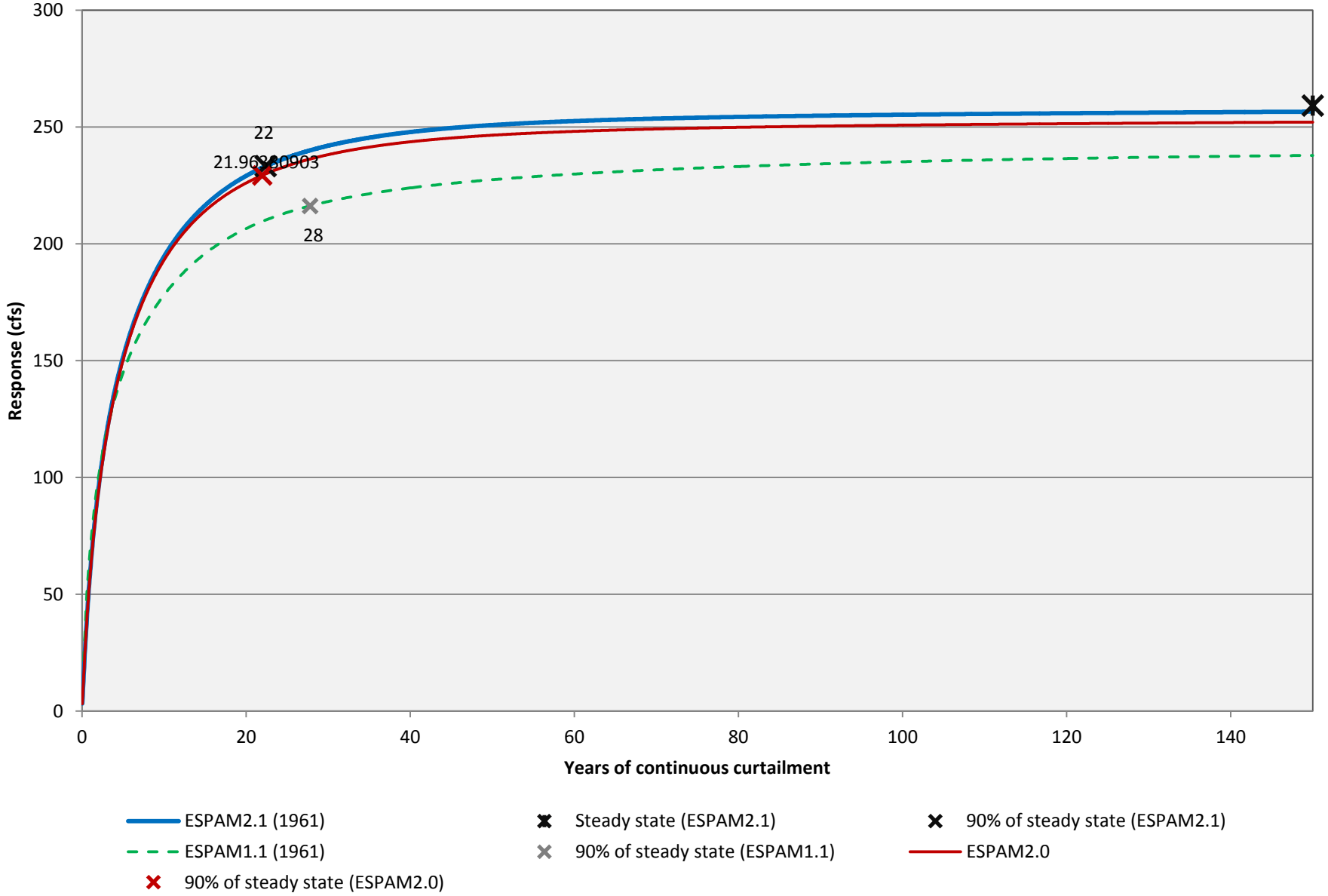


Predicted response to curtailment, Ashton to Rexburg reach

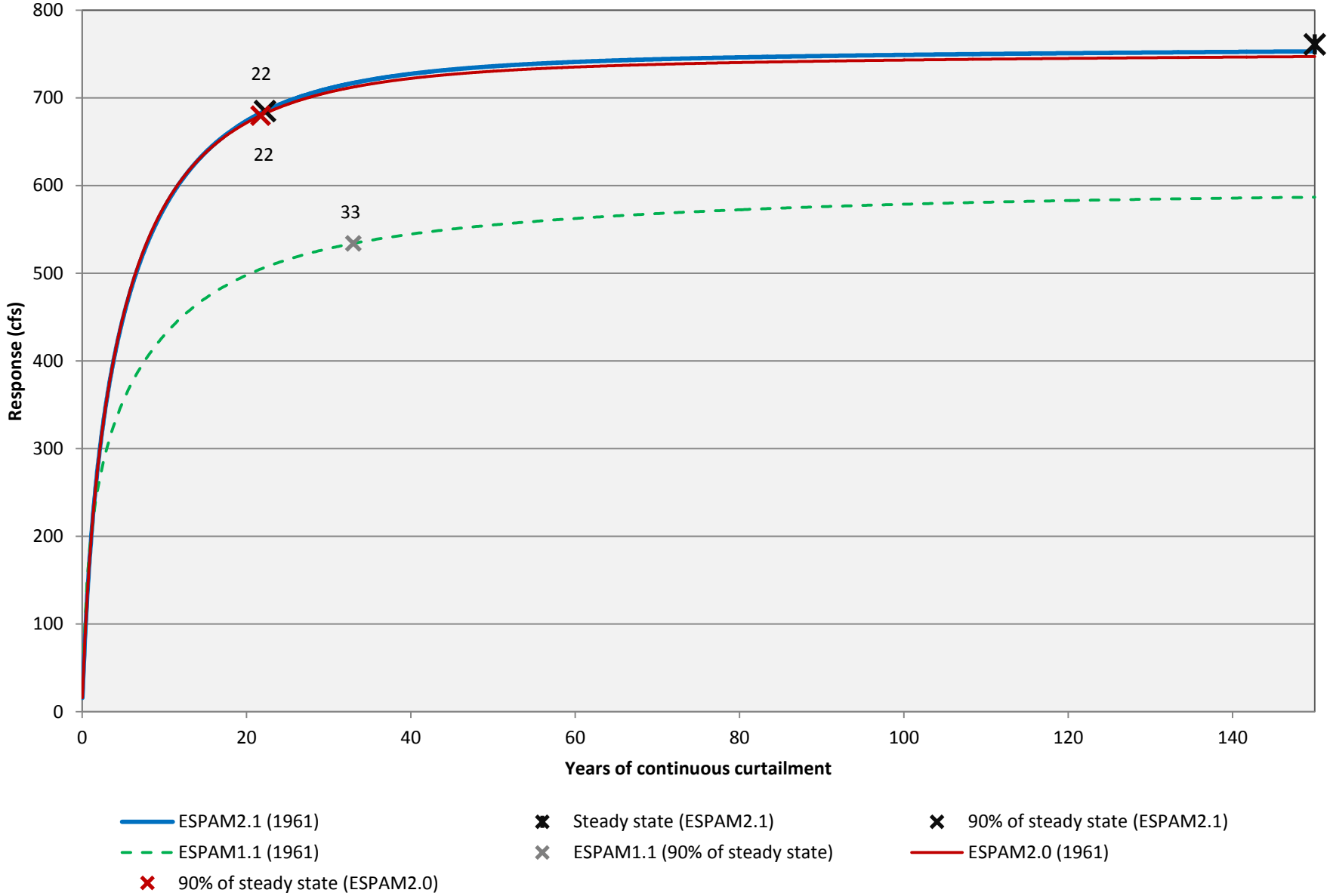



Predicted response to curtailment, Heise to Shelley reach
Response (cfs)
250
200
150
100
50
0
0
20
40
60
80
100
120
140
Years of continuous curtailment
23
24
17
ESPAM2.1 (1961)
Steady state (ESPAM2.1)
90% of steady state (ESPAM2.1)
ESPAM1.1 (1961)
90% of steady state (ESPAM1.1)
ESPAM2.0 (1961)
90% of steady state (ESPAM2.0)

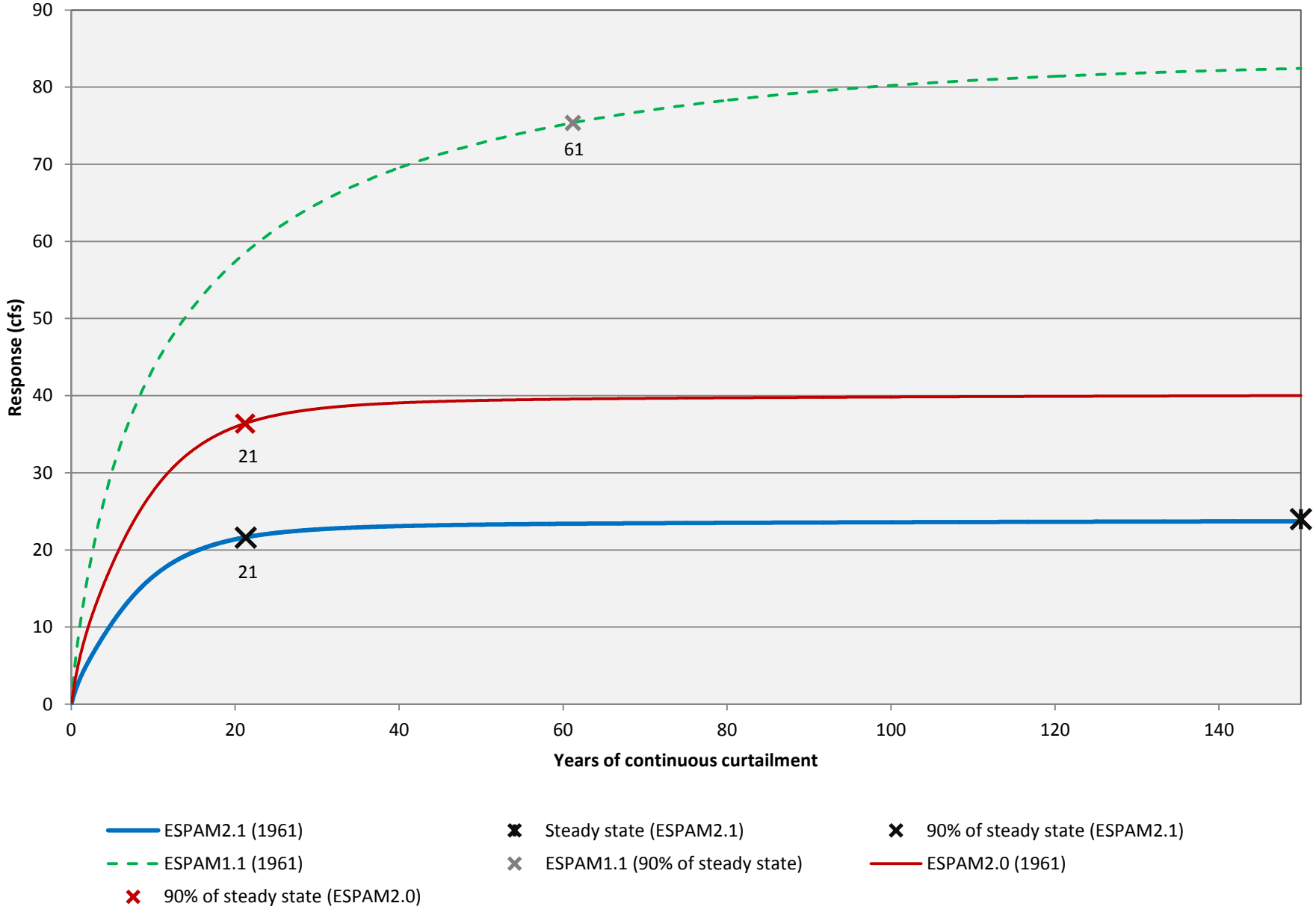
Predicted response to curtailment, Shelley to near Blackfoot reach



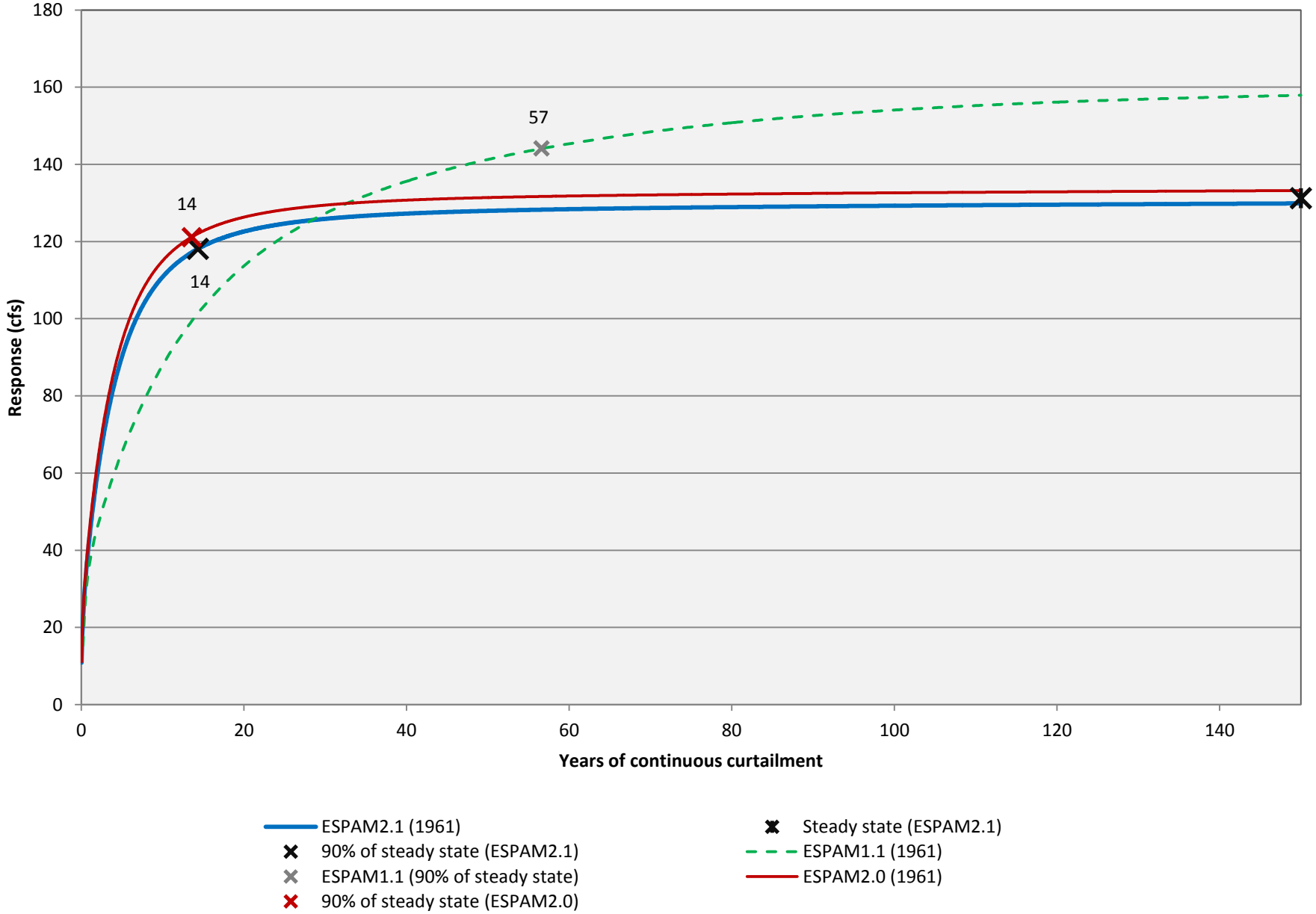
Near Blackfoot to Neeley reach



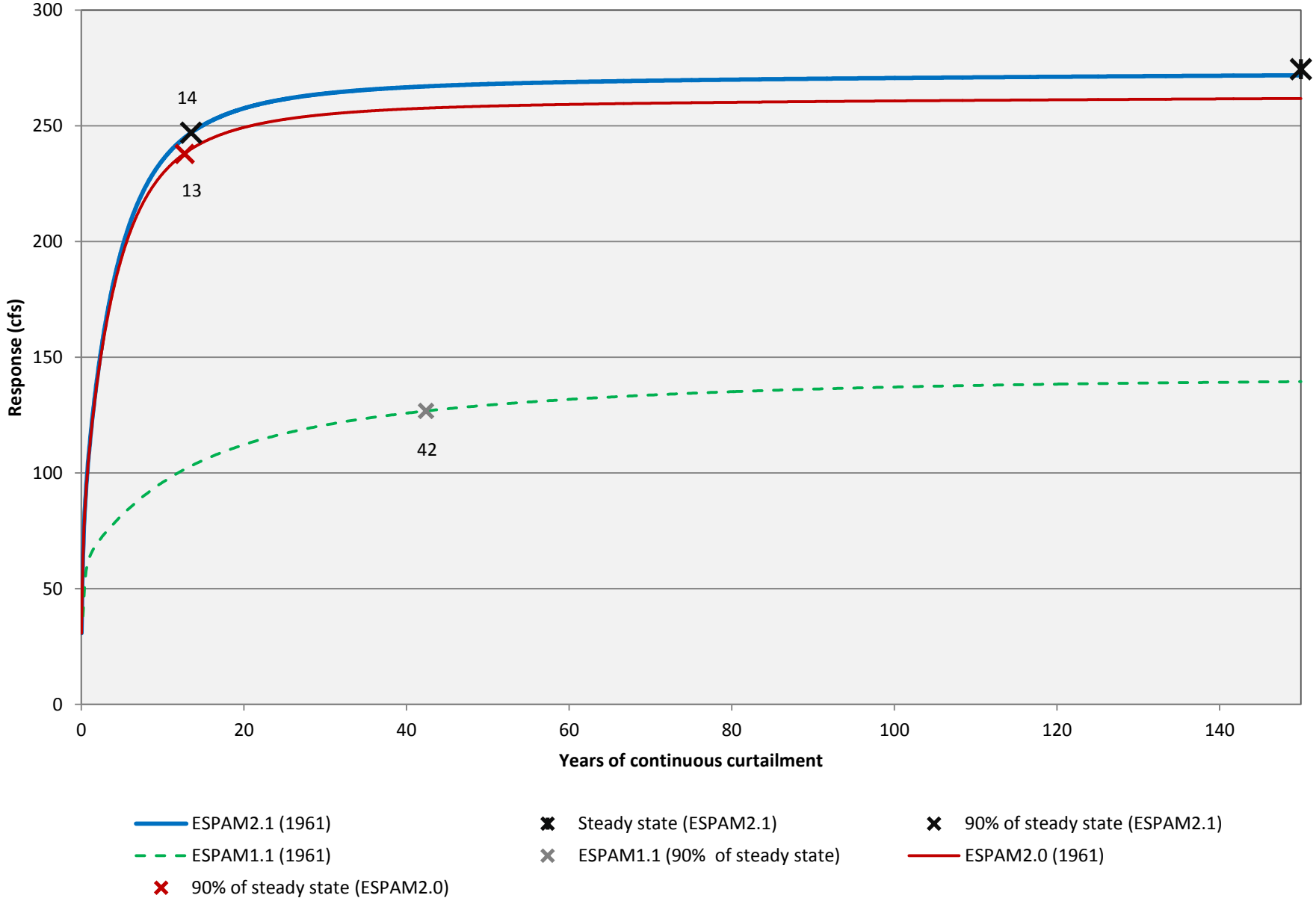
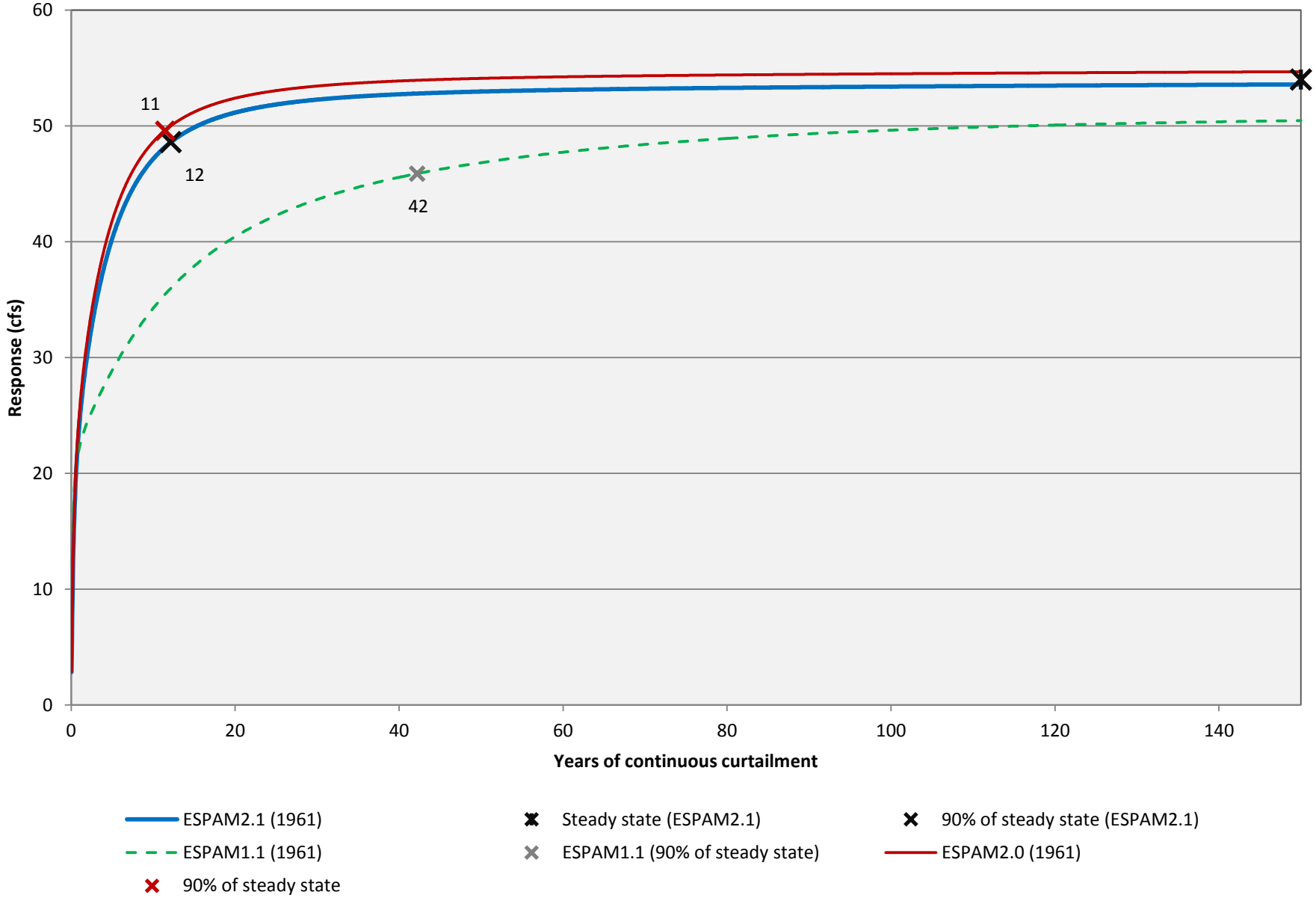
Predicted response to curtailment, Neeley to Minidoka reach



Kimberly to Buhl springs



Buhl to Lower Salmon Falls springs



Predicted response to curtailment, LSF to King Hill springs