Appendix G
Groundwater Modeling Results

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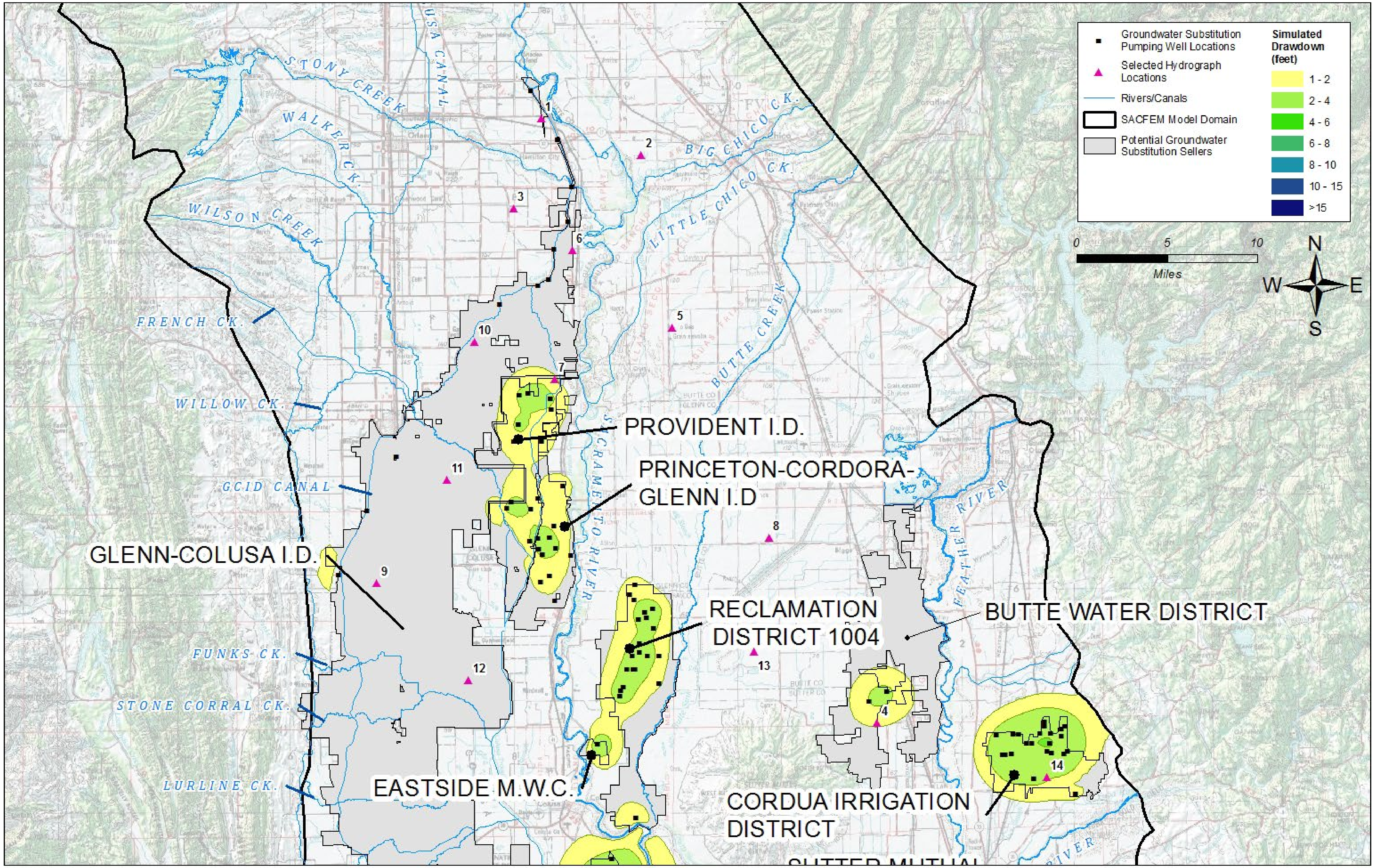

Figure G-1a.
Simulated Drawdown due to Groundwater Substitution Pumping, Aquifer Depth up to approximately 35 feet. Based on September 1976 Hydrologic Conditions

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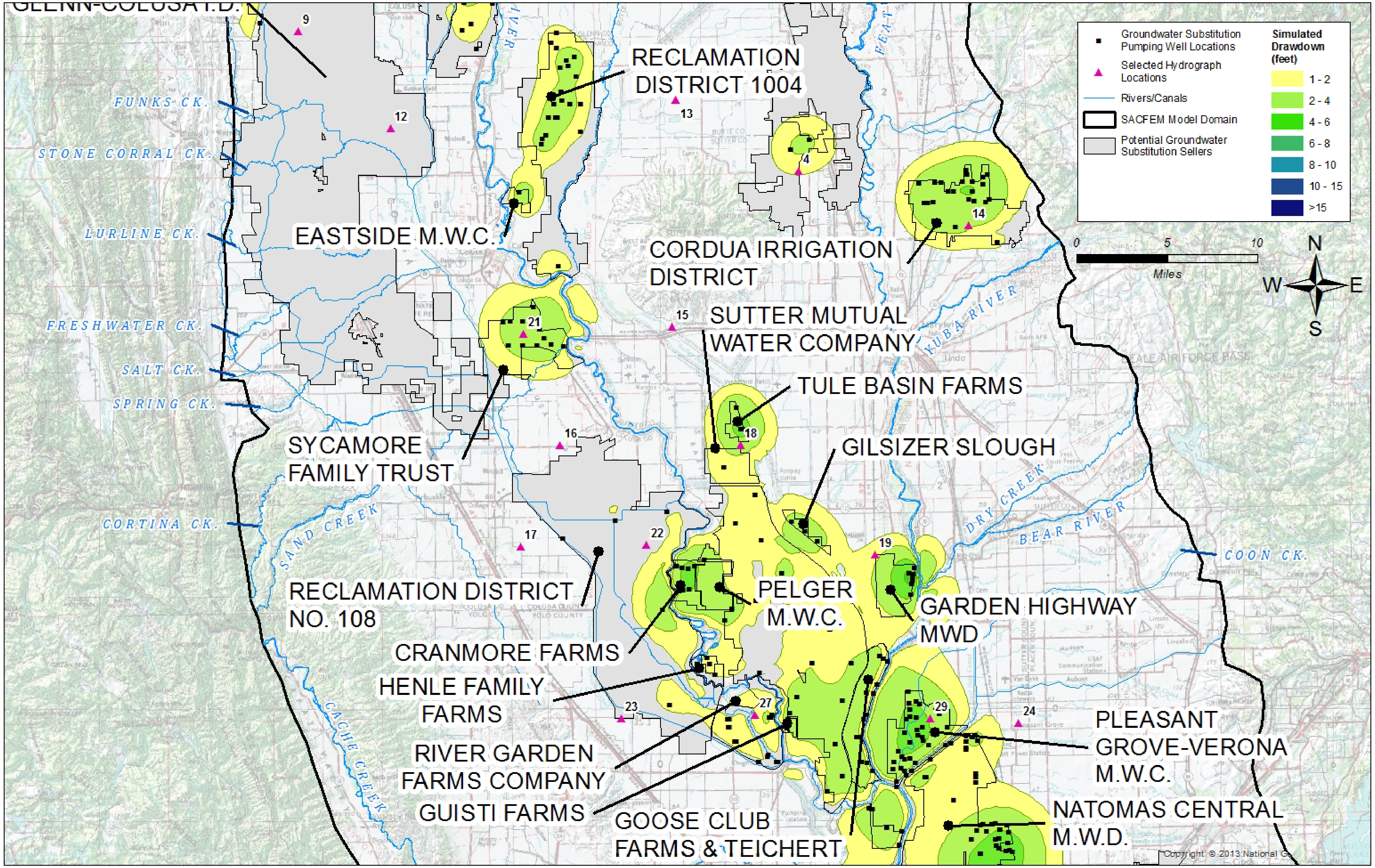

Figure G-1b.
Simulated Drawdown due to Groundwater Substitution Pumping, Aquifer Depth up to approximately 35 feet. Based on September 1976 Hydrologic Conditions

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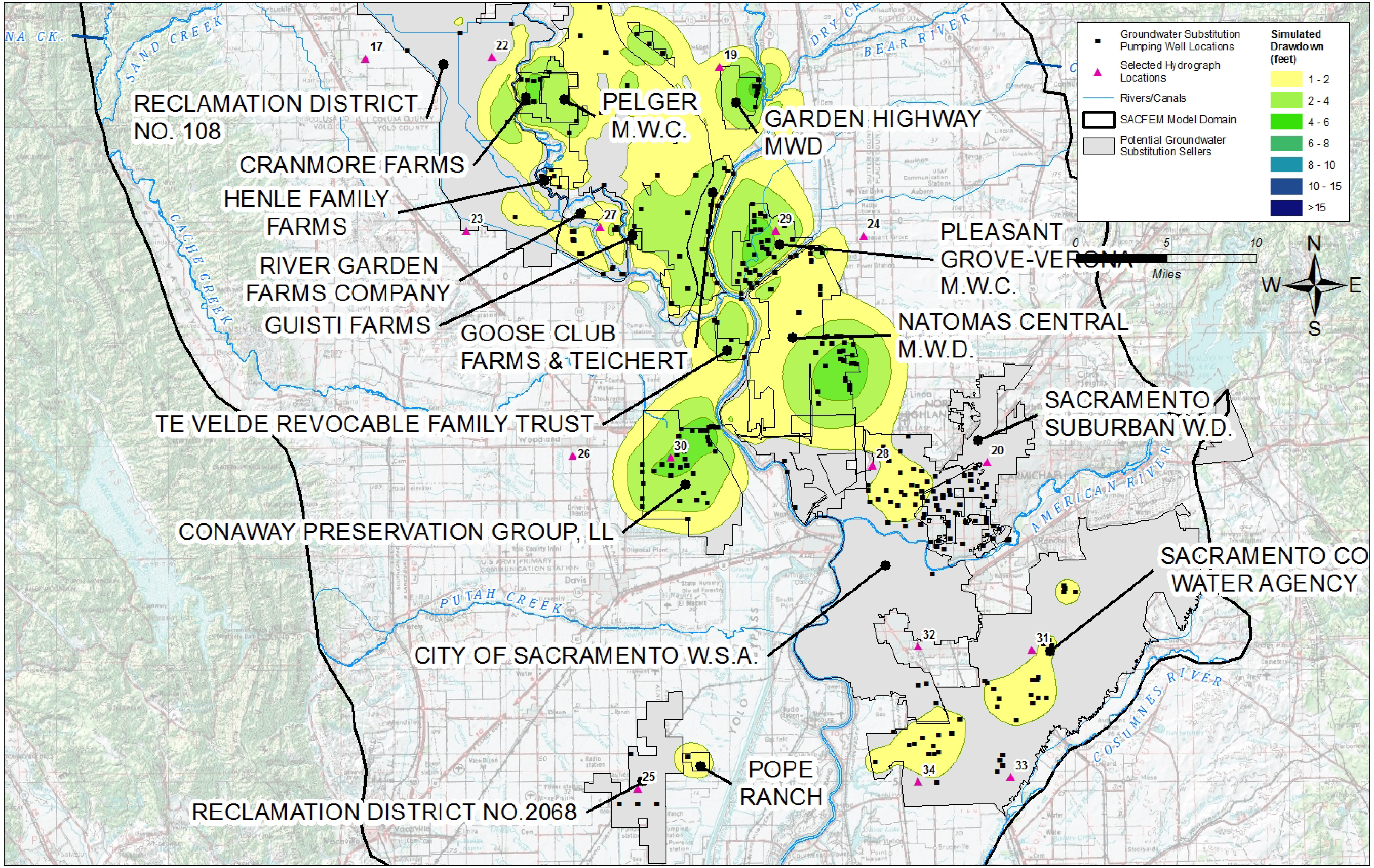

Figure G-1c.
Simulated Drawdown due to Groundwater Substitution Pumping, Aquifer Depth up to approximately 35 feet. Based on September 1976 Hydrologic Conditions

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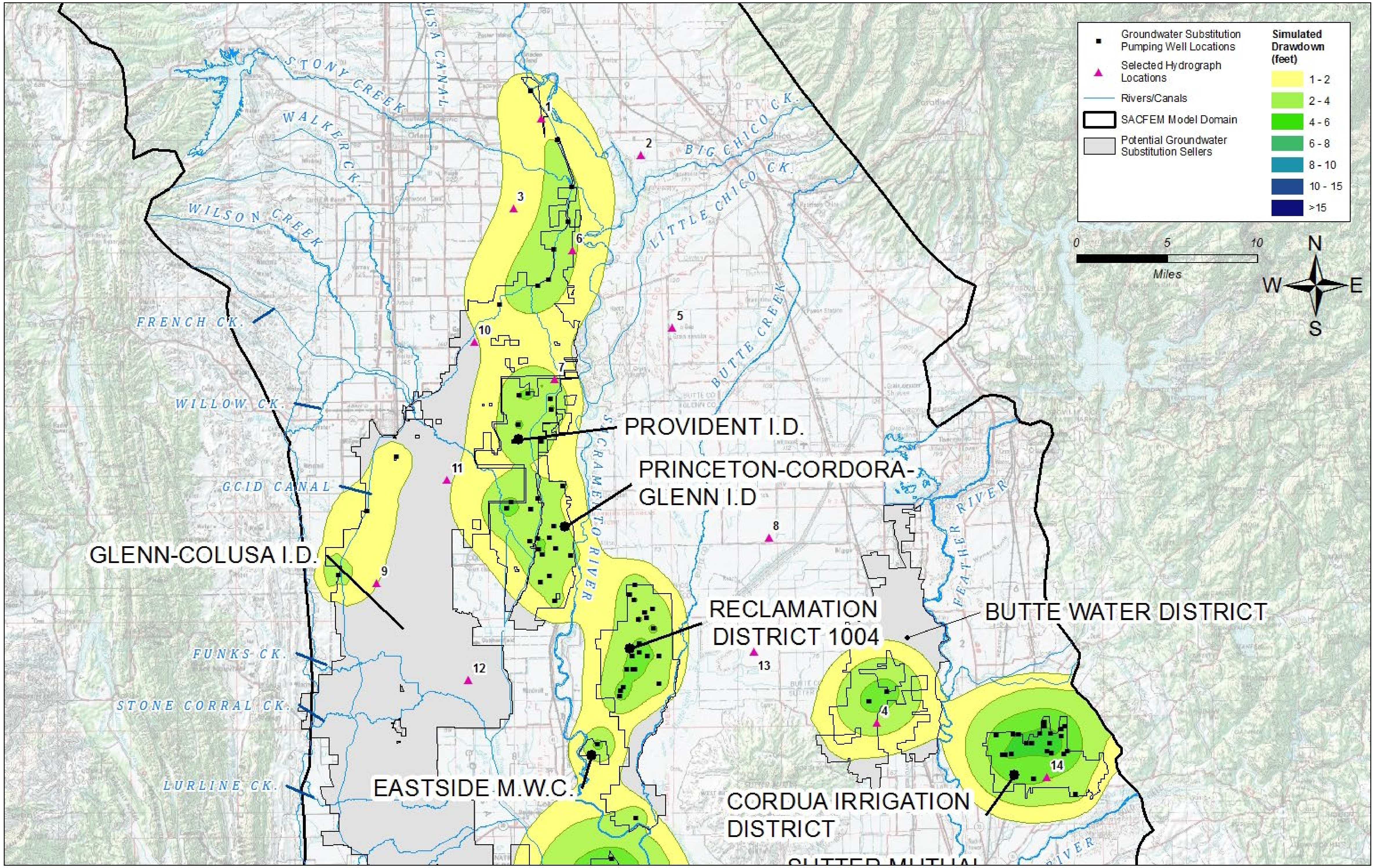

Figure G-2a.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 200 to 300 feet. Based on September 1976 Hydrologic Conditions

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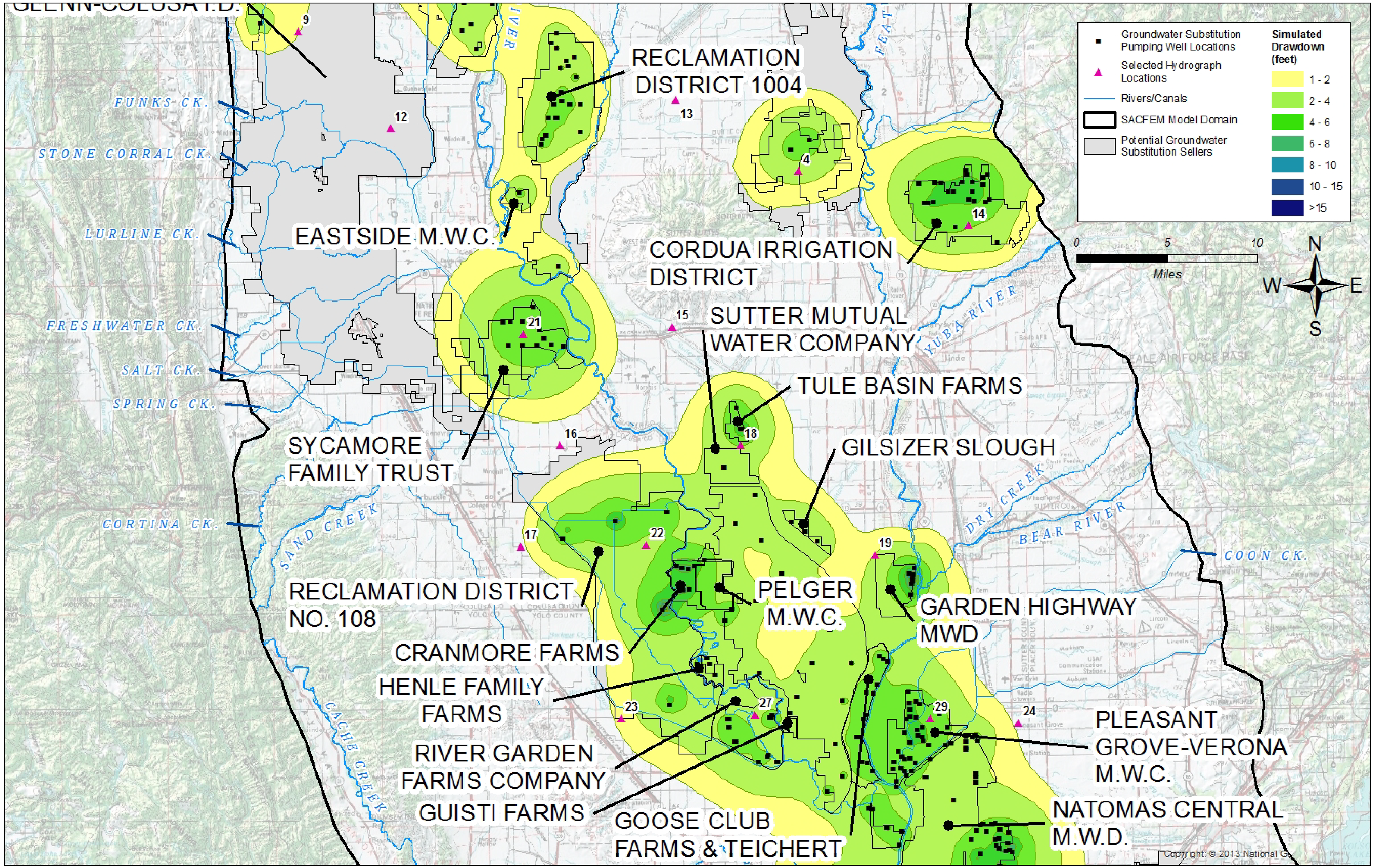

Figure G-2b.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 200 to 300 feet. Based on September 1976 Hydrologic Conditions

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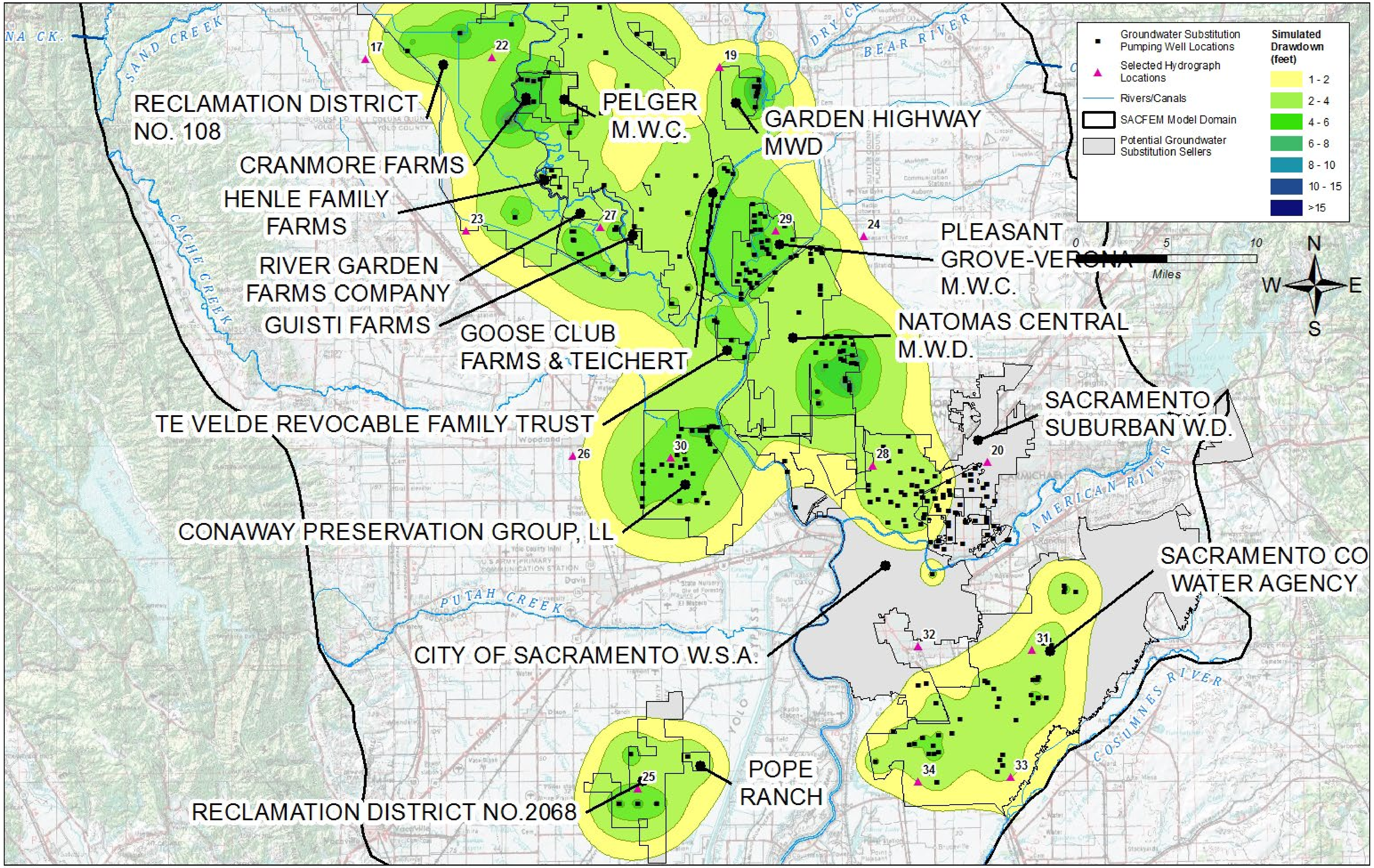

Figure G-2c.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 200 to 300 feet. Based on September 1976 Hydrologic Conditions

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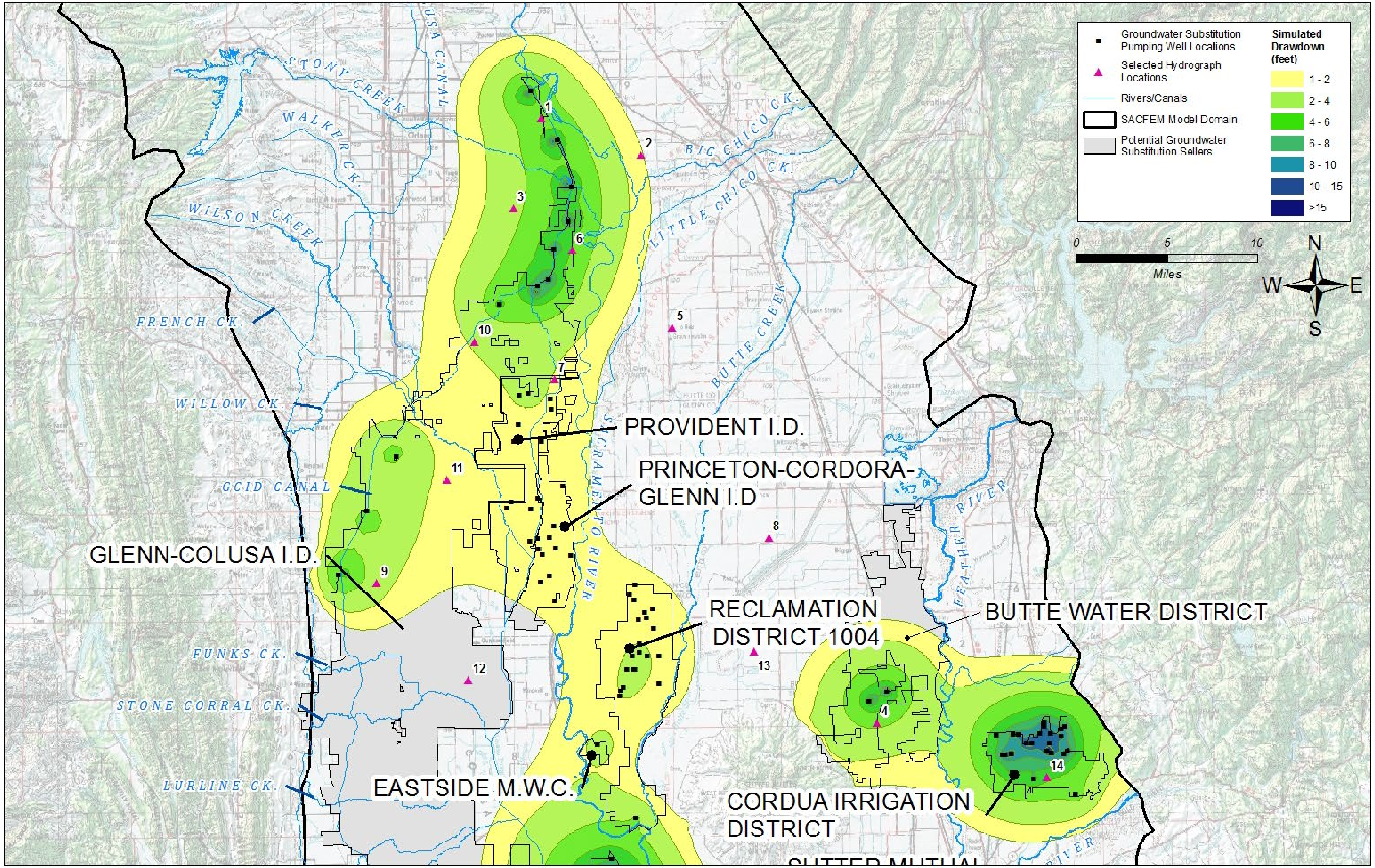

Figure G-3a.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 700 to 900 feet. Based on September 1976 Hydrologic Conditions

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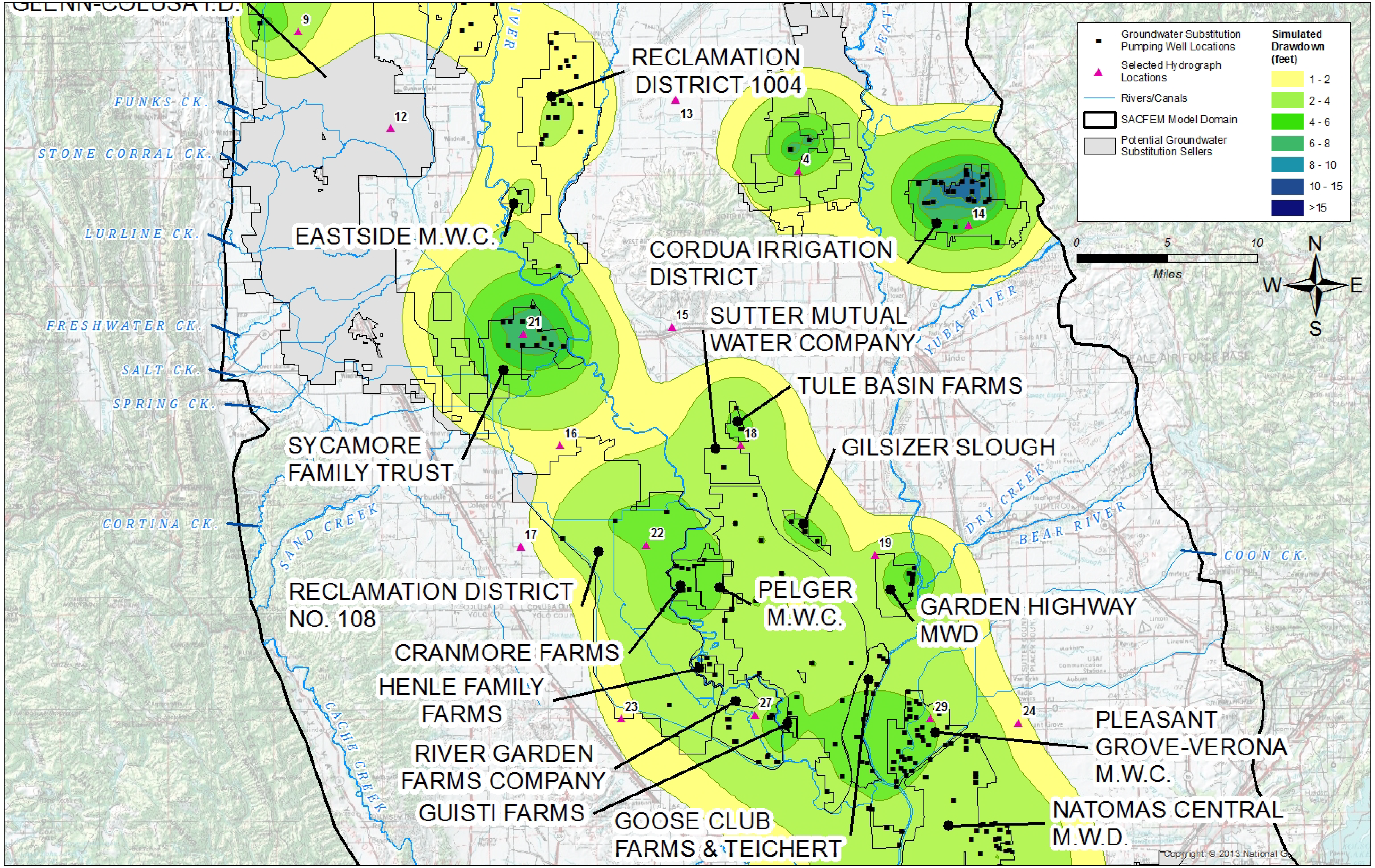

Figure G-3b.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 700 to 900 feet. Based on September 1976 Hydrologic Conditions

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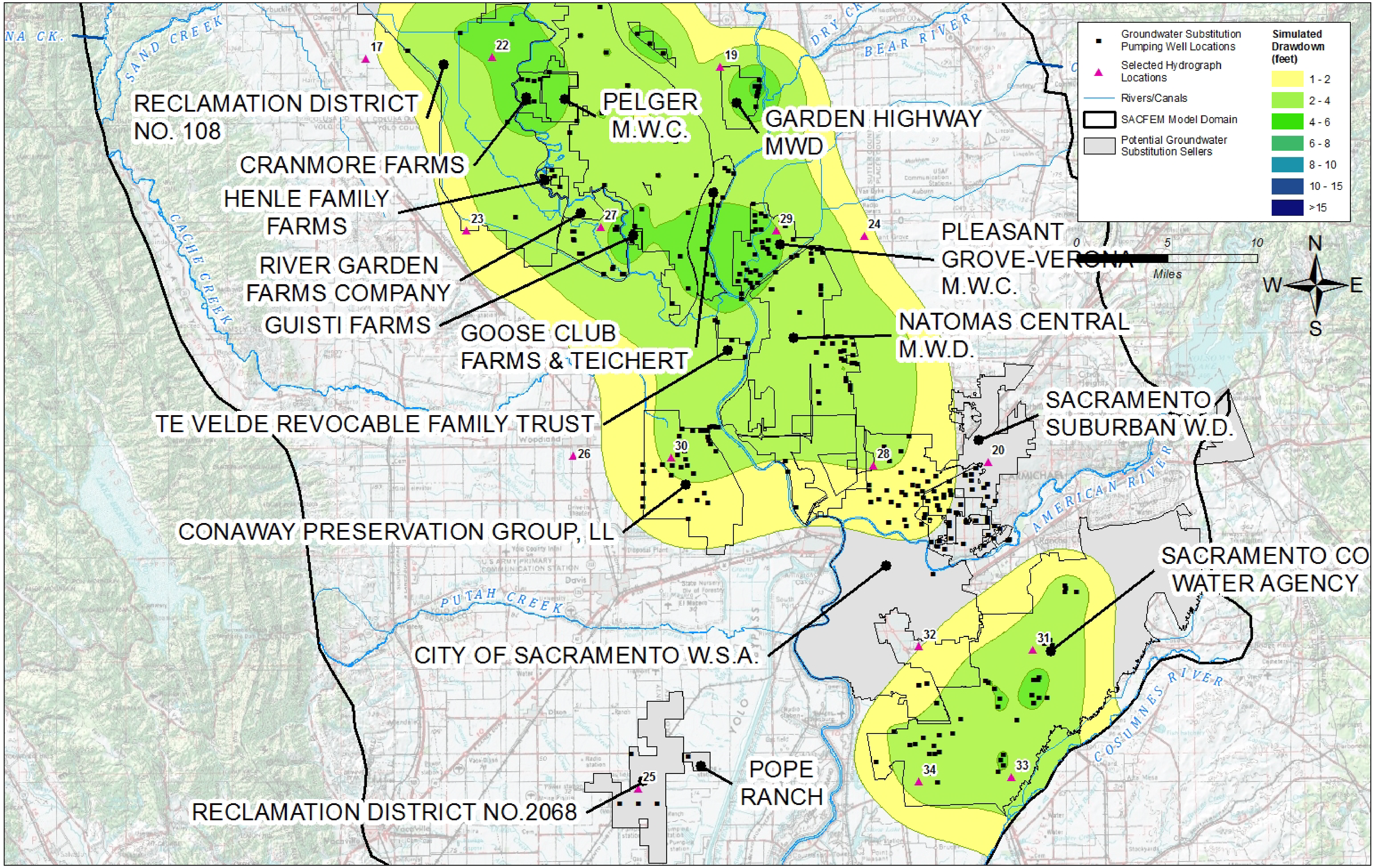

Figure G-3c.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 700 to 900 feet. Based on September 1976 Hydrologic Conditions

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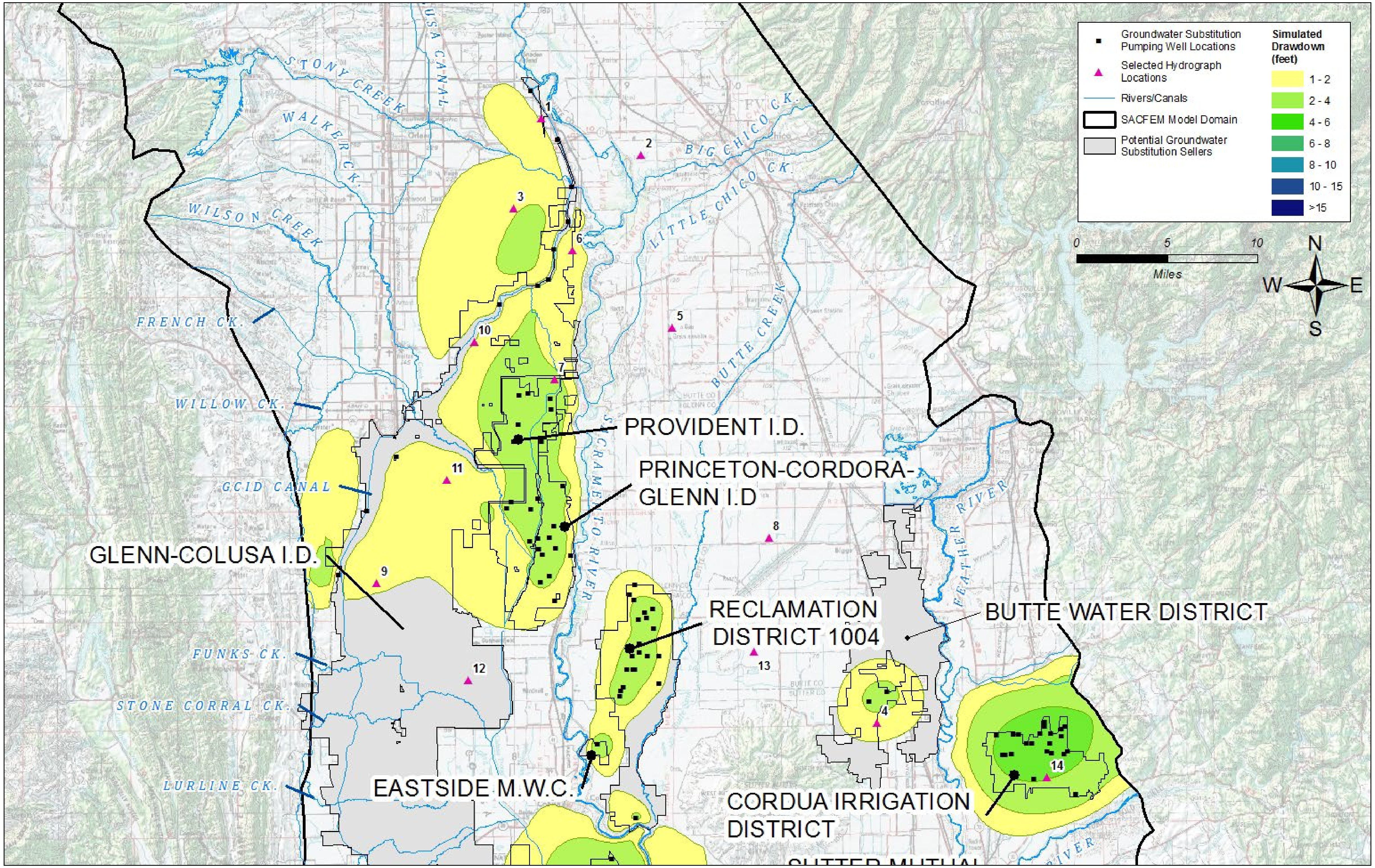

Figure G-4a.
Simulated Drawdown due to Groundwater Substitution Pumping, Aquifer Depth up to approximately 35 feet. Based on September 1990 Hydrologic Conditions

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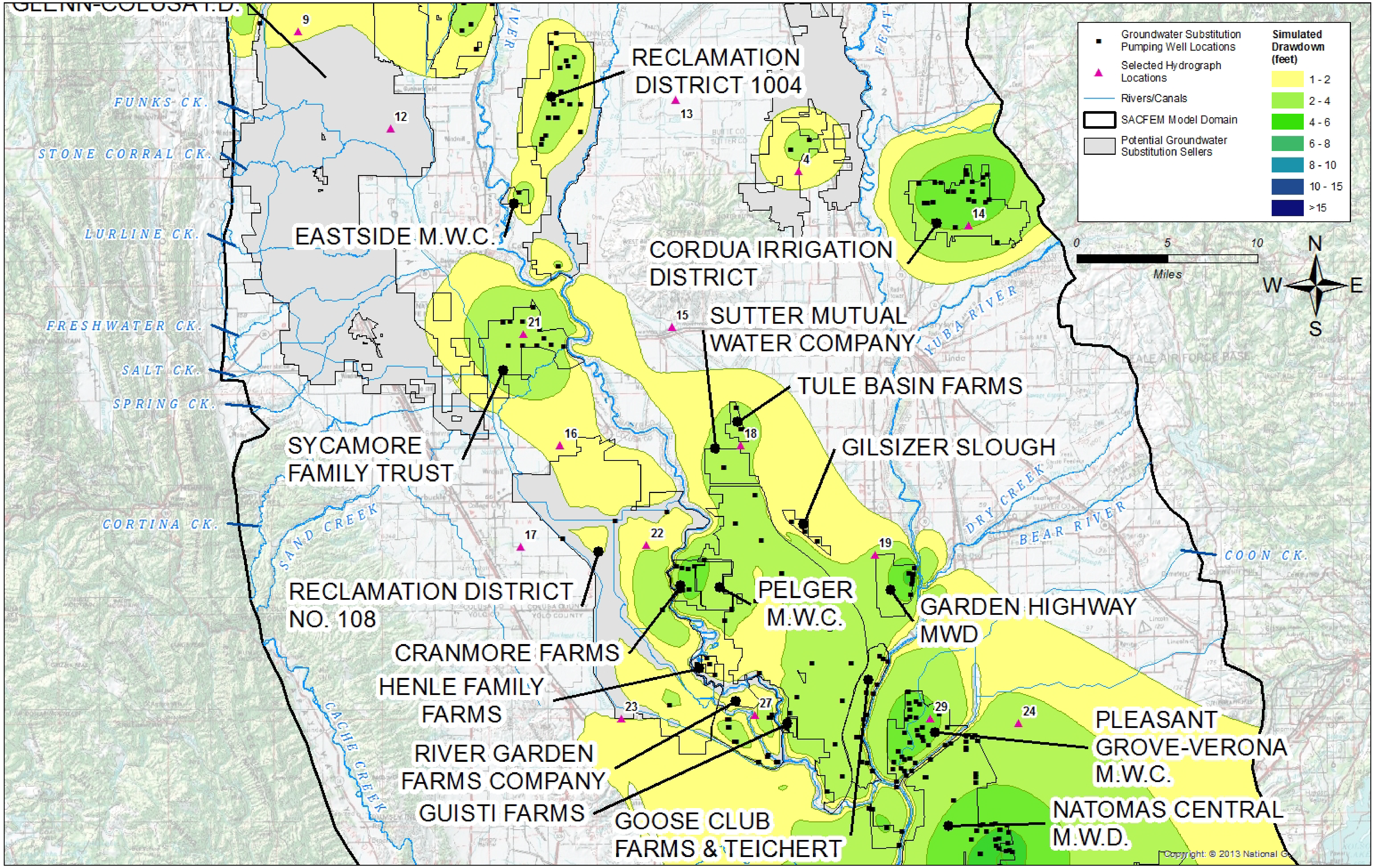

Figure G-4b.
Simulated Drawdown due to Groundwater Substitution Pumping, Aquifer Depth up to approximately 35 feet. Based on September 1990 Hydrologic Conditions

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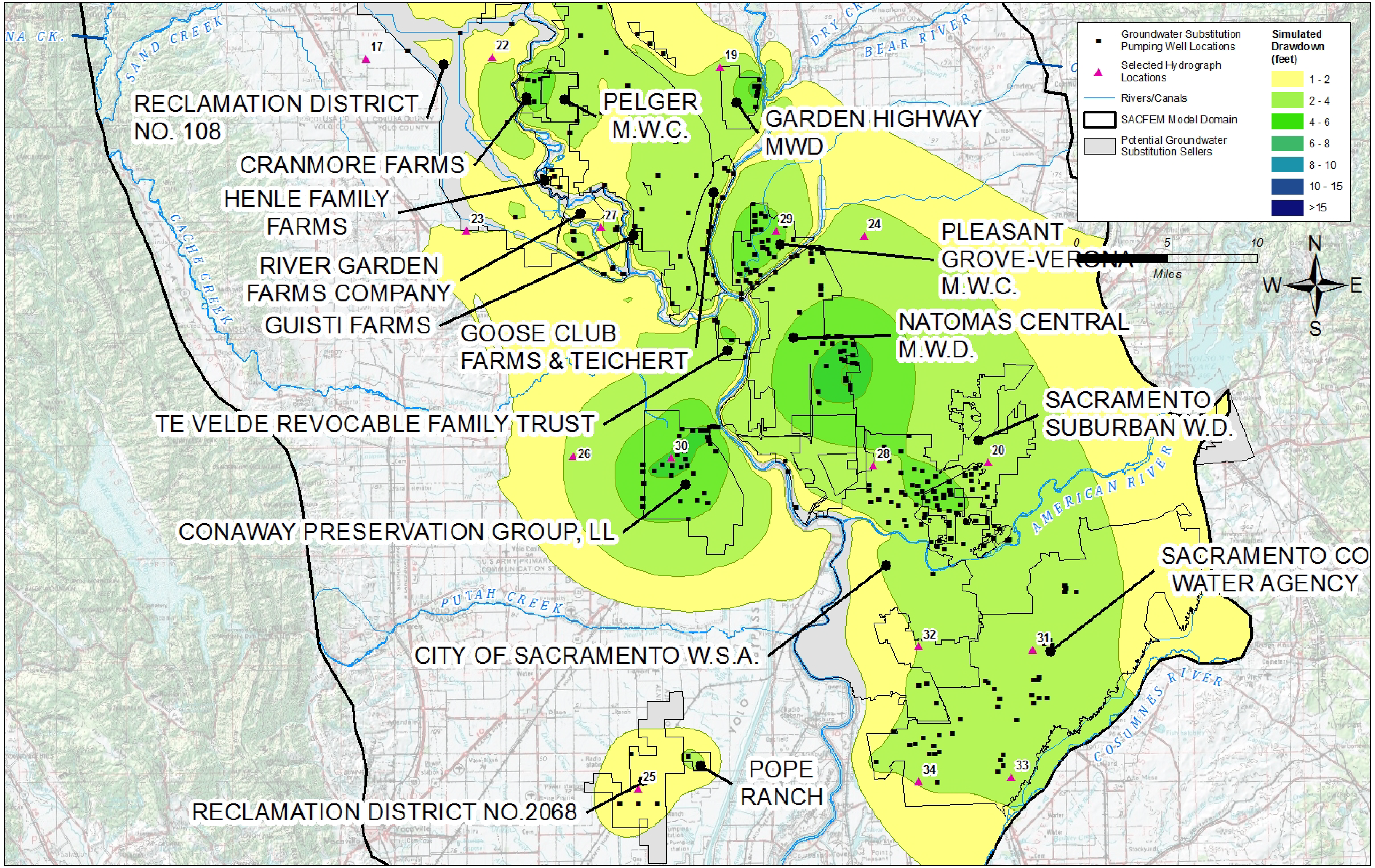

Figure G-4c.
Simulated Drawdown due to Groundwater Substitution Pumping, Aquifer Depth up to approximately 35 feet. Based on September 1990 Hydrologic Conditions

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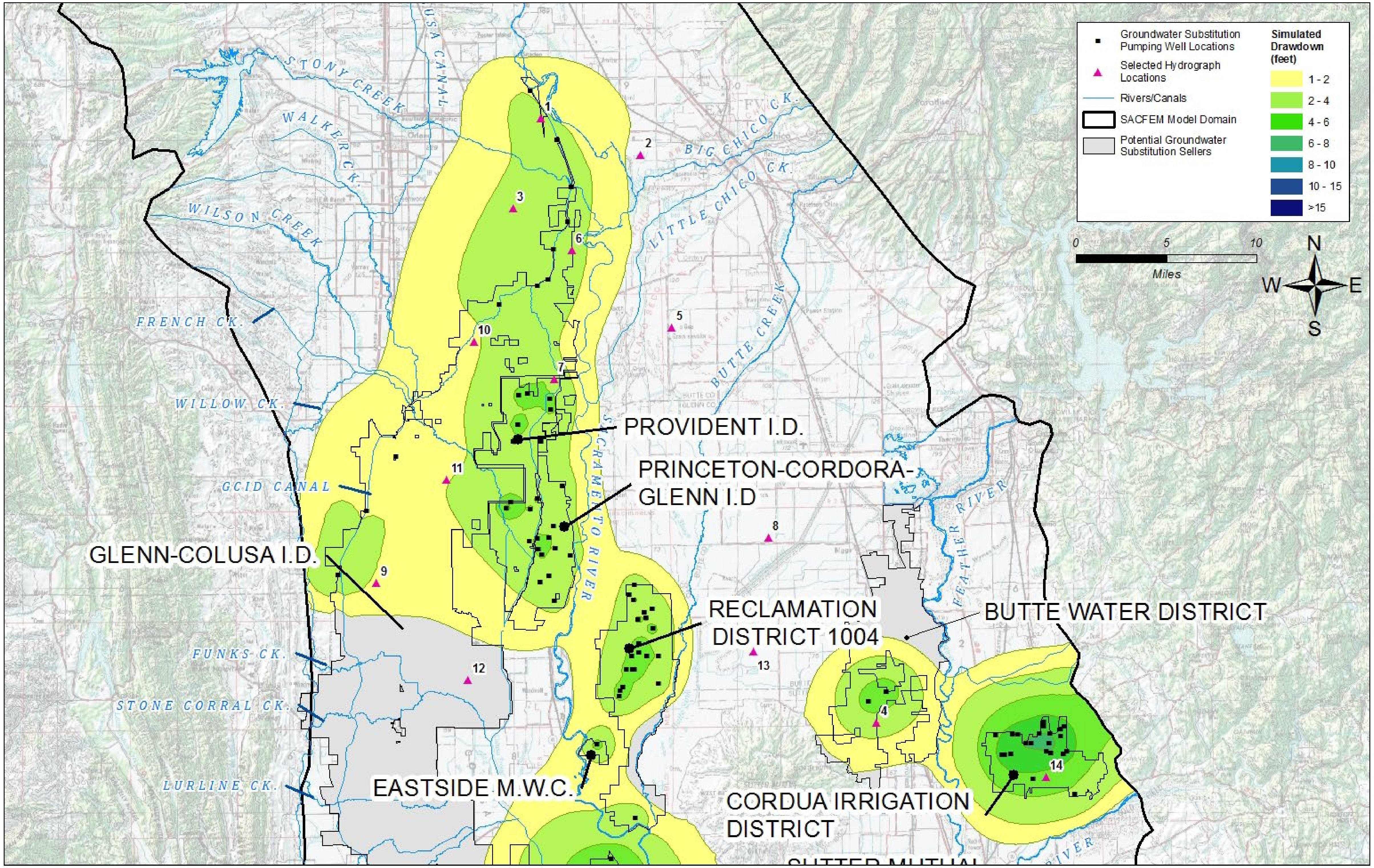

Figure G-5a.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 200 to 300 feet. Based on September 1990 Hydrologic Conditions

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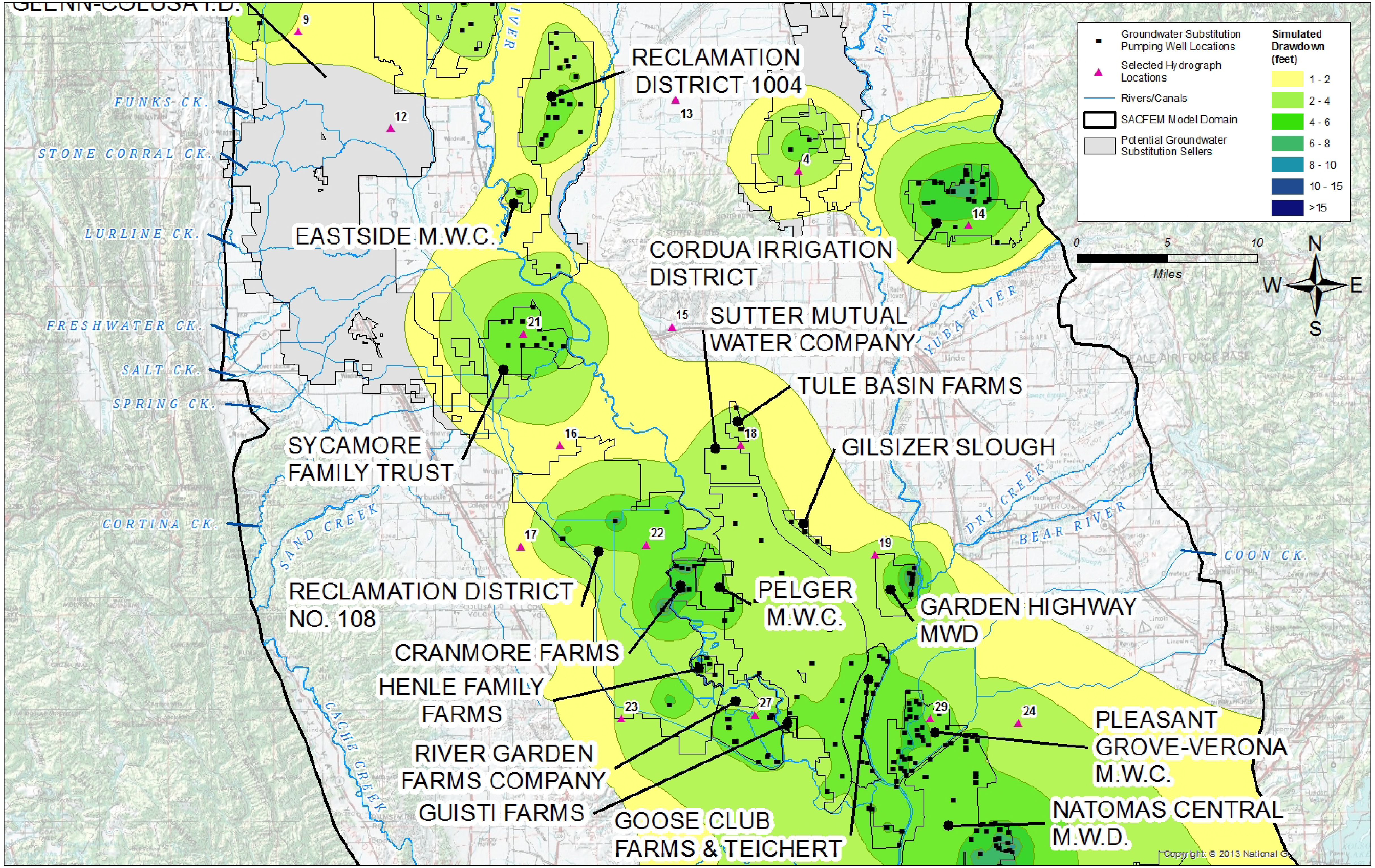

Figure G-5b.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 200 to 300 feet. Based on September 1990 Hydrologic Conditions

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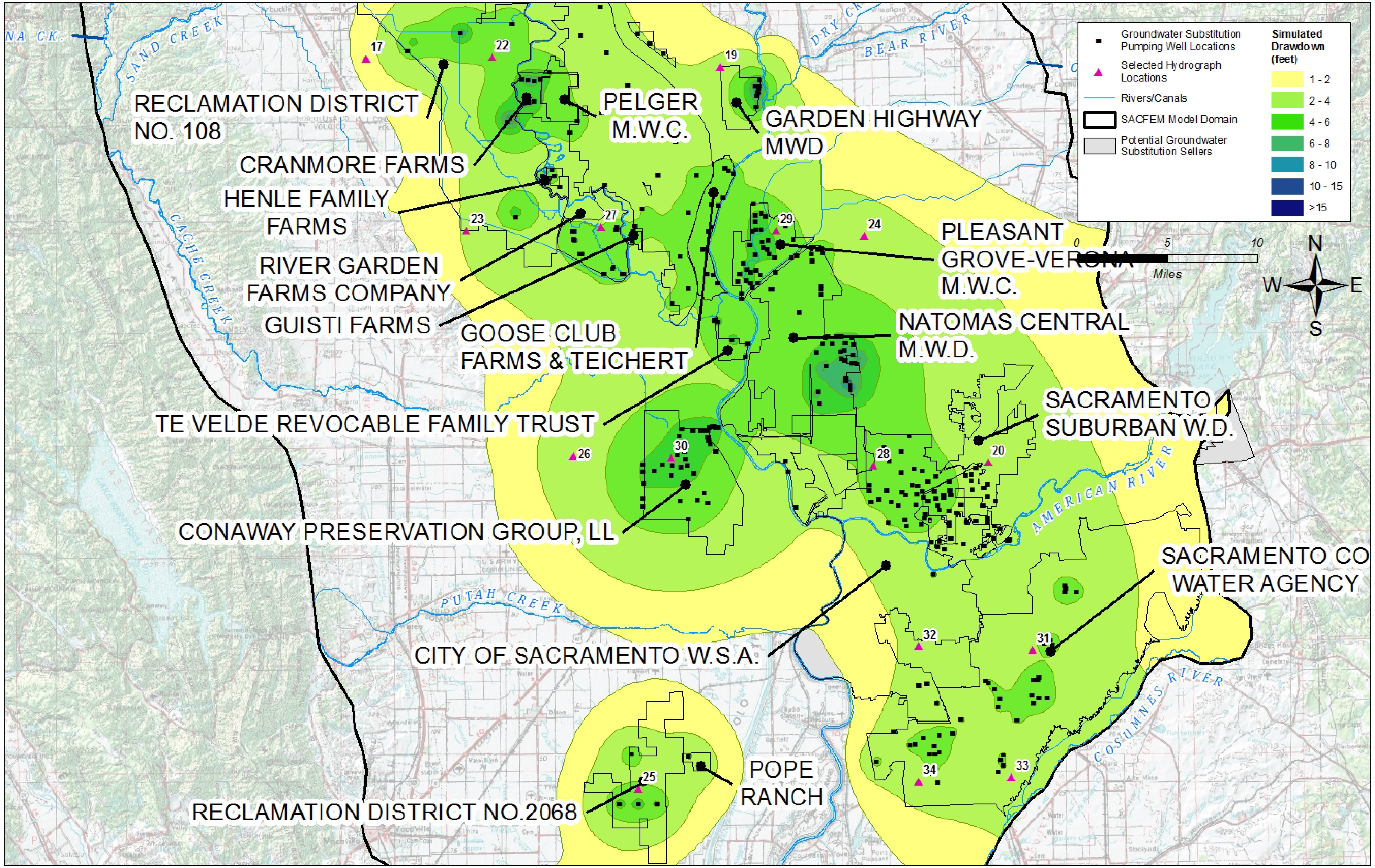

Figure G-5c.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 200 to 300 feet. Based on September 1990 Hydrologic Conditions

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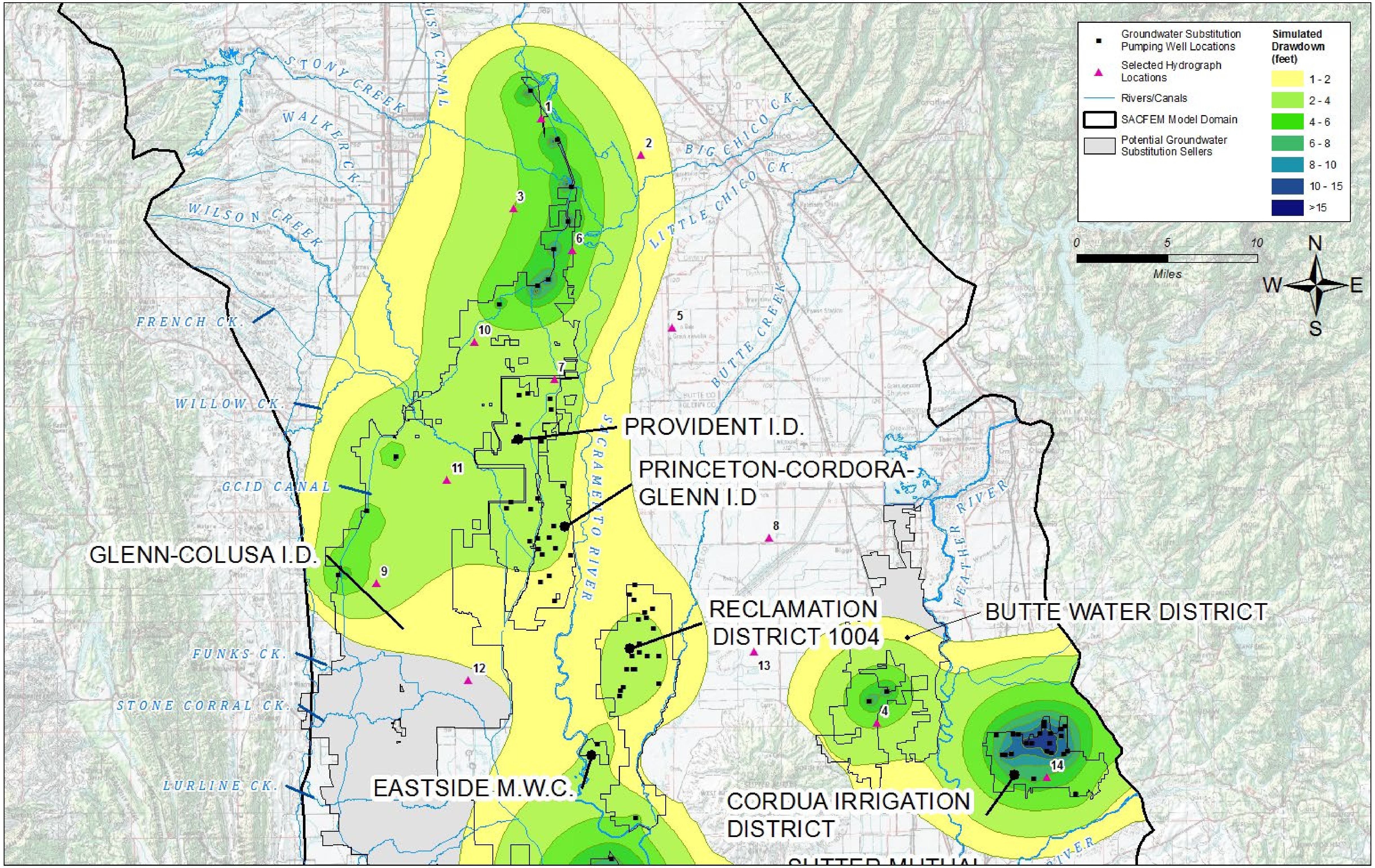

Figure G-6a.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 700 to 900 feet. Based on September 1990 Hydrologic Conditions

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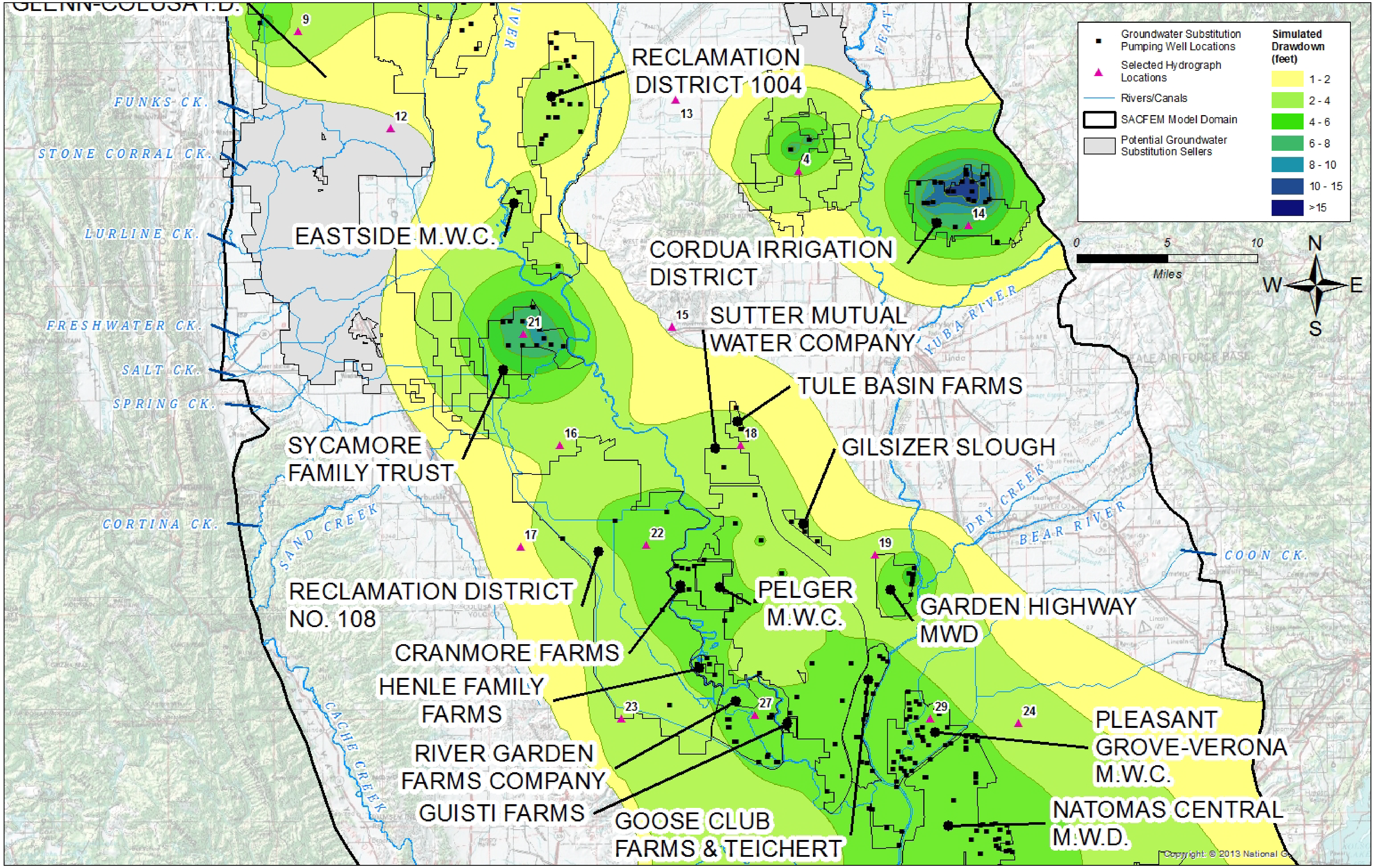

Figure G-6b.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 700 to 900 feet. Based on September 1990 Hydrologic Conditions

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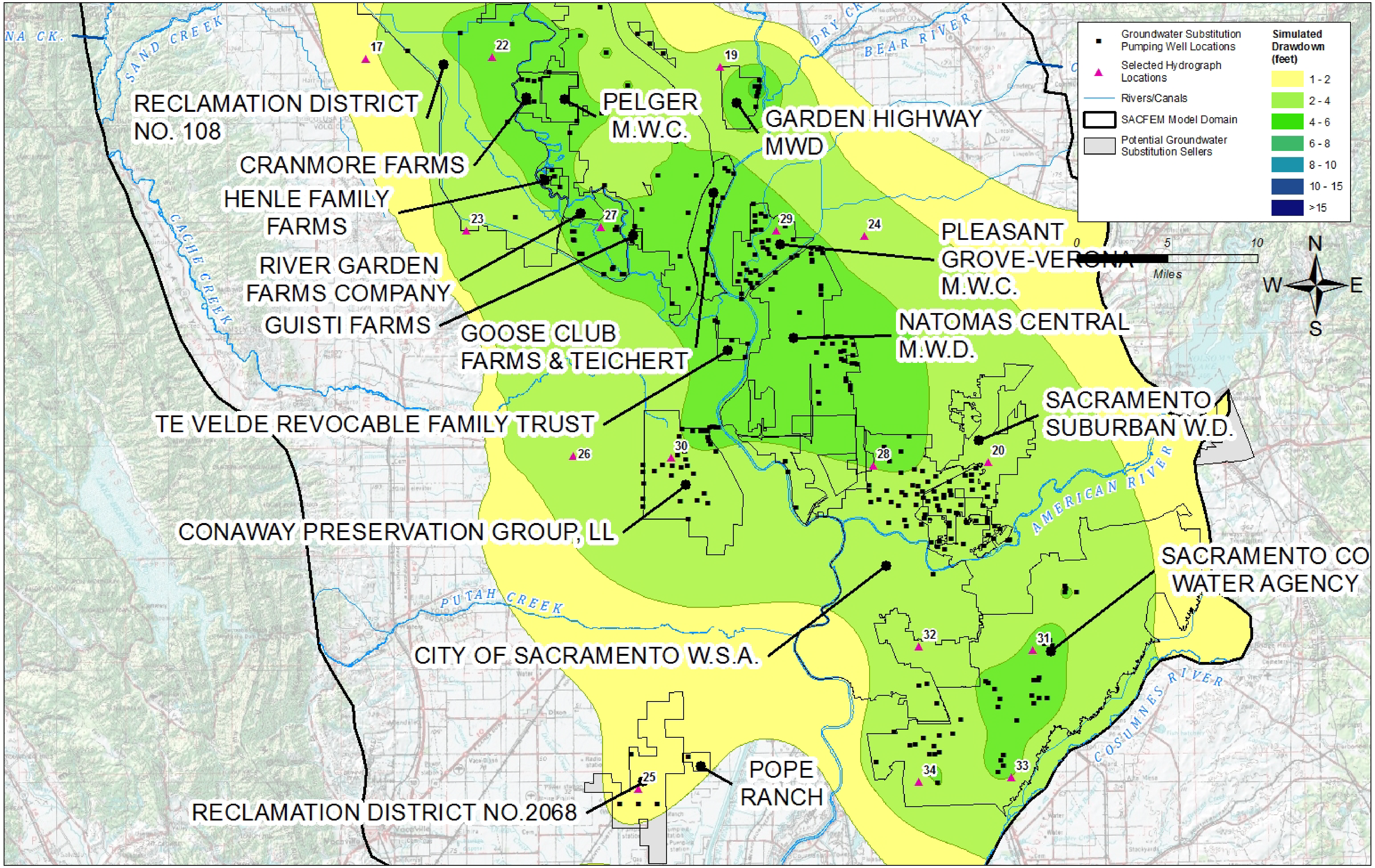

Figure G-6c.
Simulated Change in Groundwater Head due to Groundwater Substitution Pumping, Aquifer Depth of approximately 700 to 900 feet. Based on September 1990 Hydrologic Conditions

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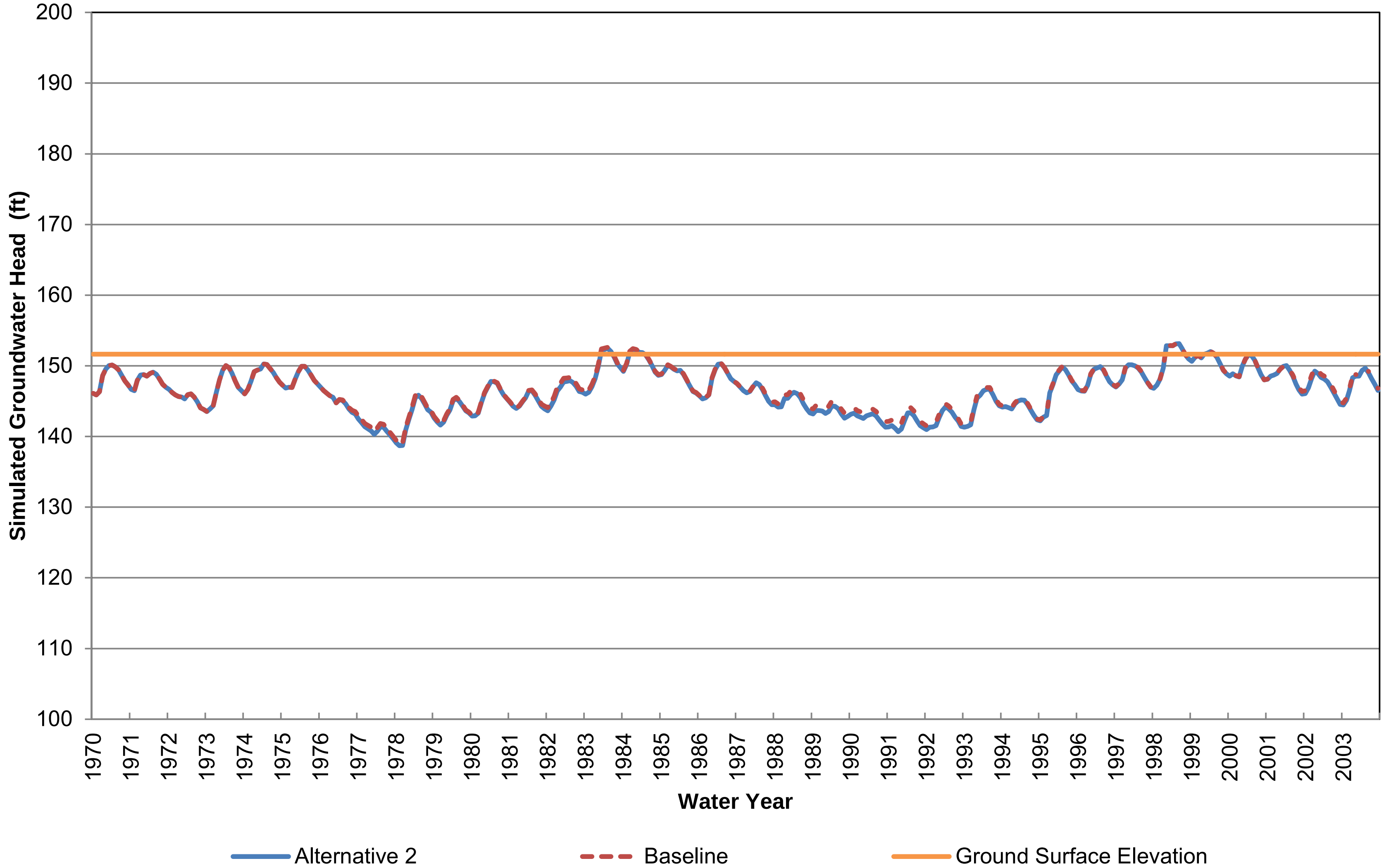
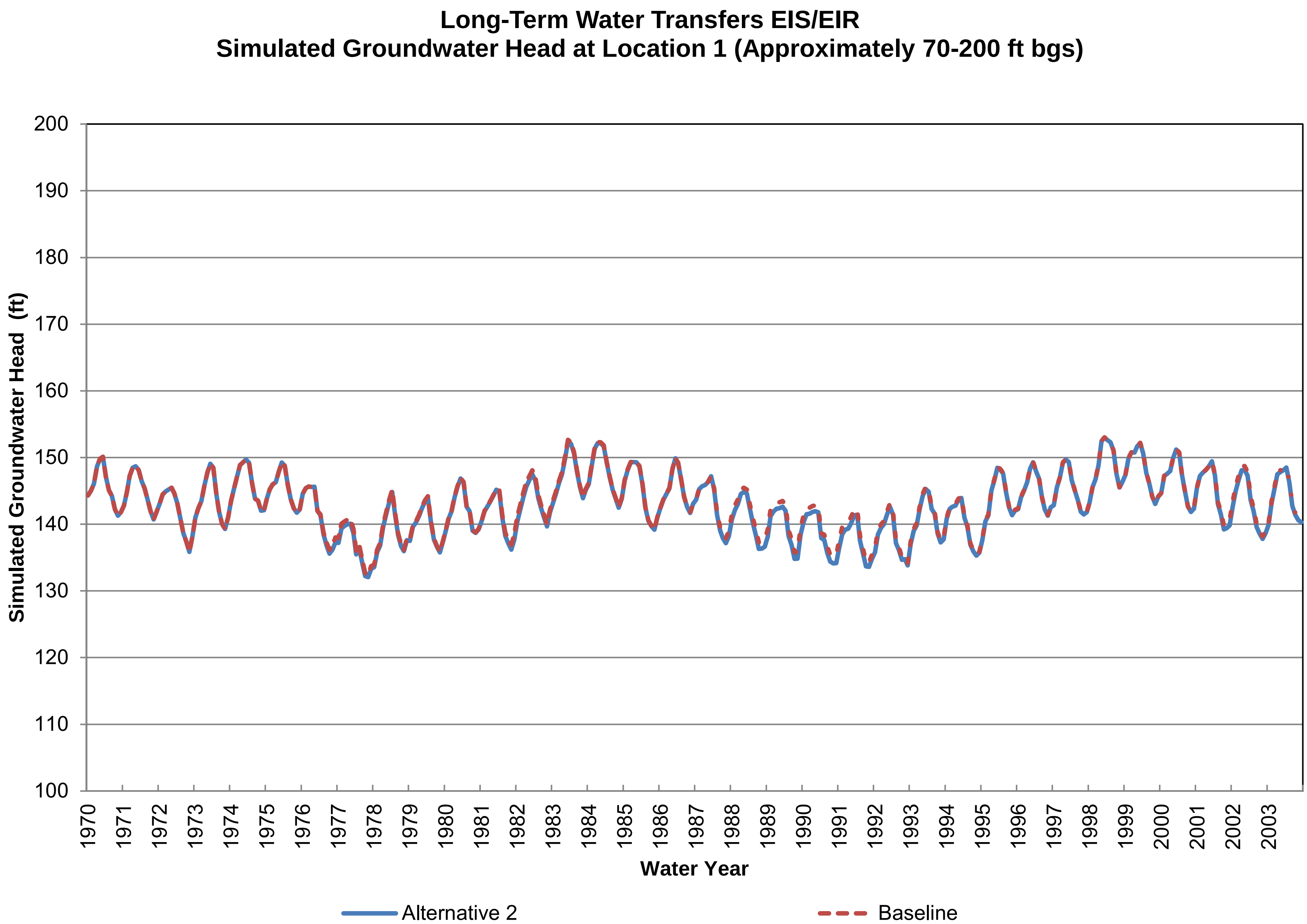
Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 1 (Approximately 0-70 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 1 (Approximately 70-200 ft bgs)
Simulated Groundwater Head (ft)
200
190
180
170
160
150
140
130
120
110
100
1970
1971
1972
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1974
1975
1976
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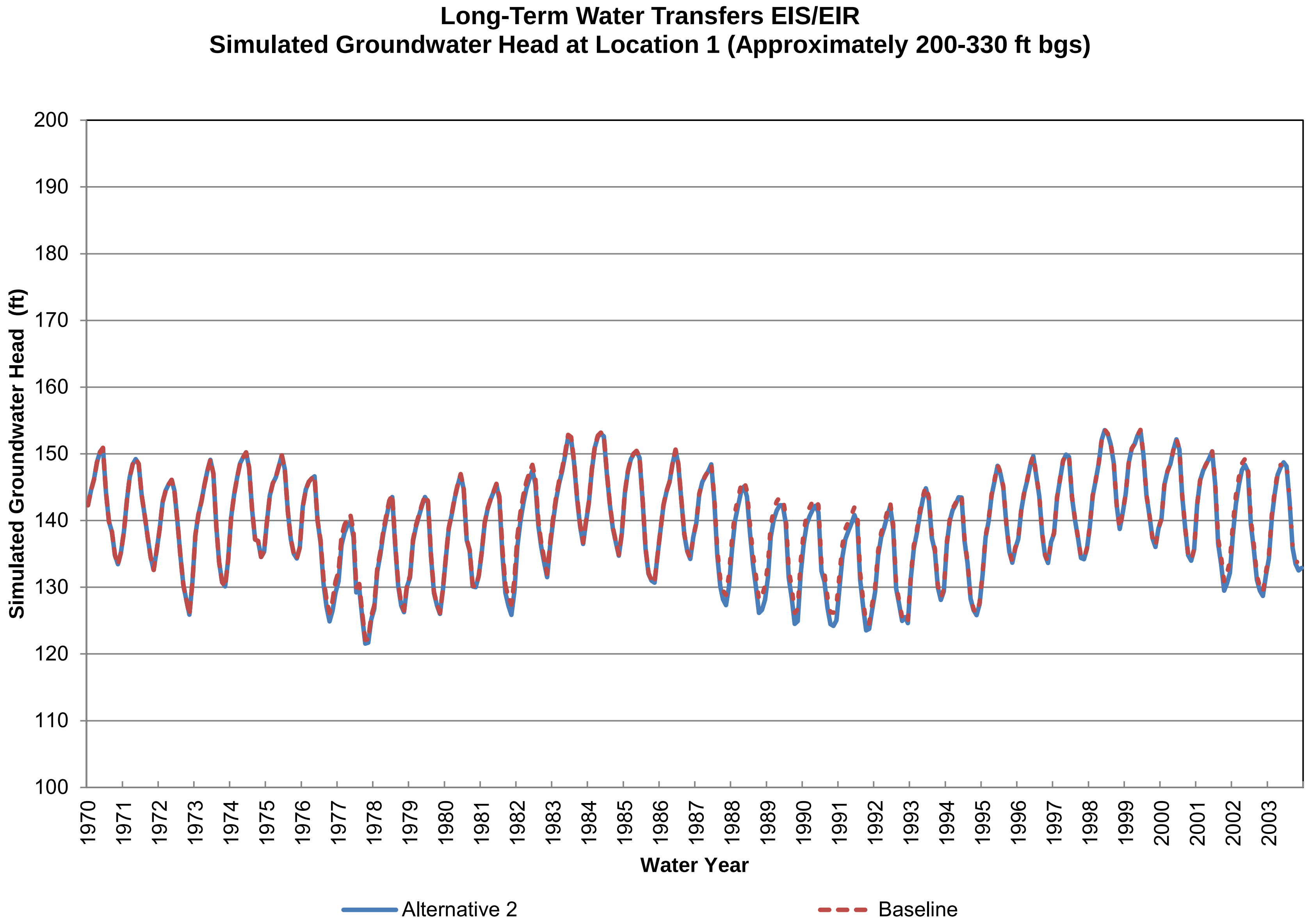
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 1 (Approximately 200-330 ft bgs)
Simulated Groundwater Head (ft)
200
190
180
170
160
150
140
130
120
110
100
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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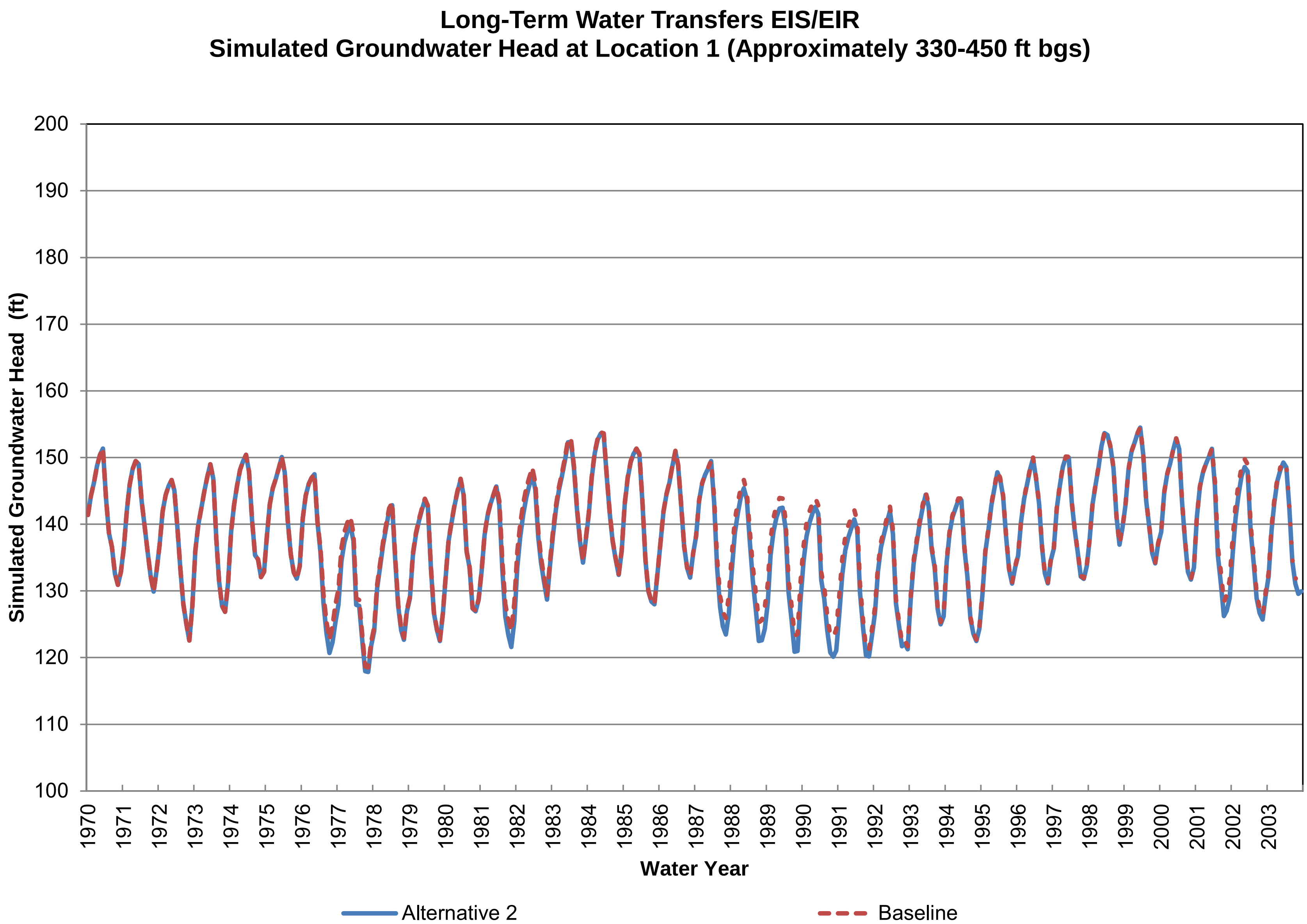
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 1 (Approximately 330-450 ft bgs)
Simulated Groundwater Head (ft)
200
190
180
170
160
150
140
130
120
110
100
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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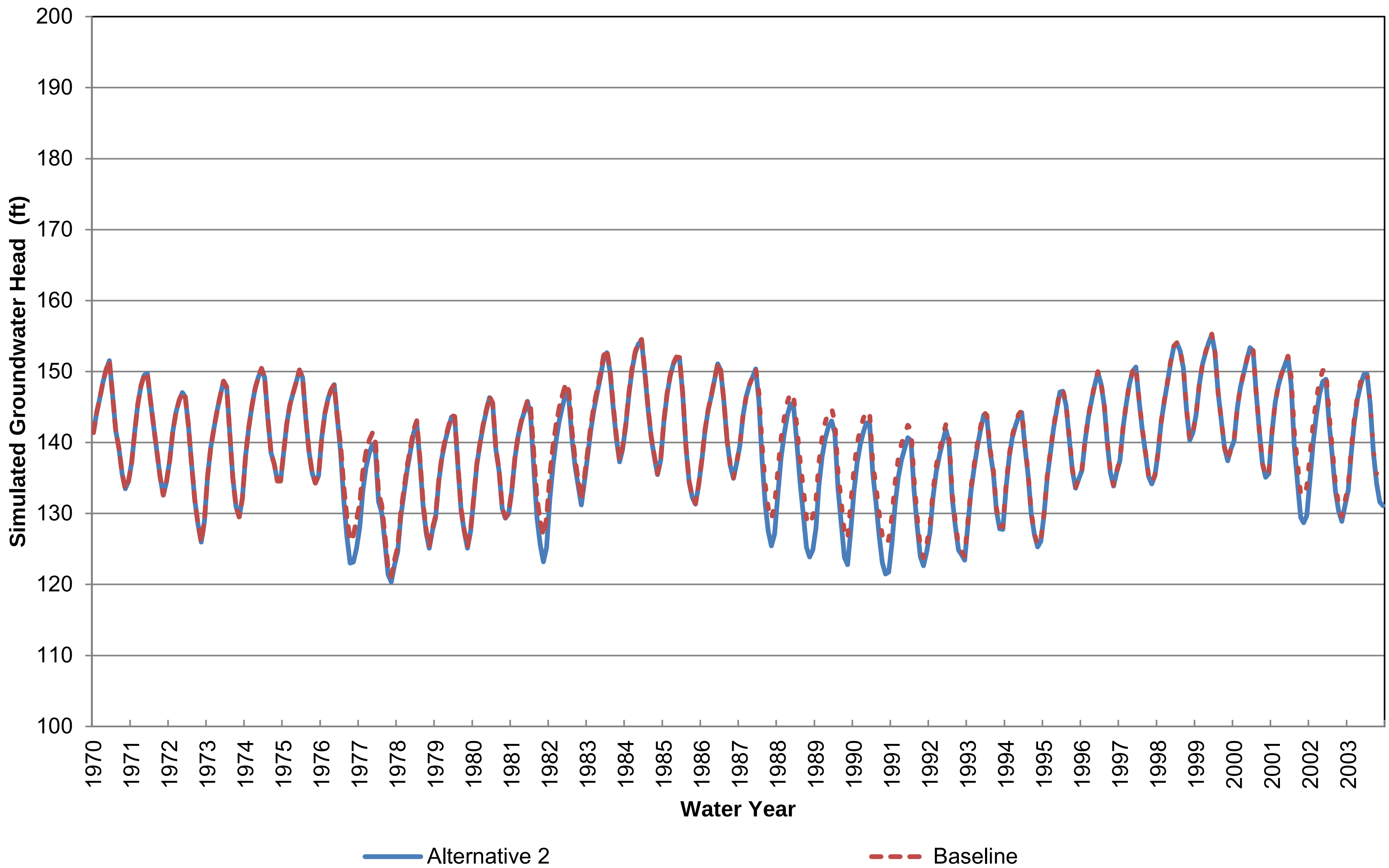
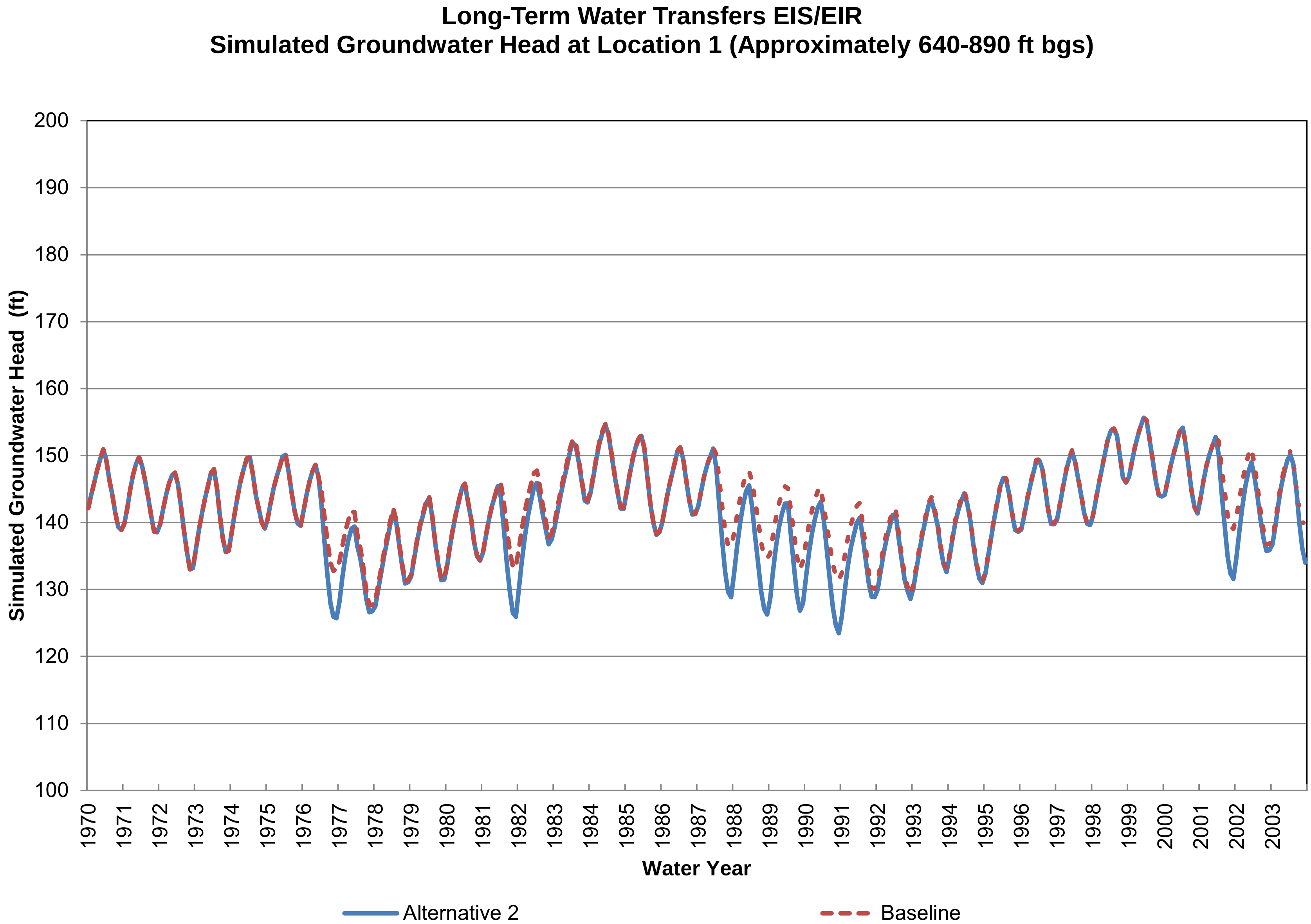
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 1 (Approximately 450-640 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 1 (Approximately 640-890 ft bgs)
Simulated Groundwater Head (ft)
200
190
180
170
160
150
140
130
120
110
100
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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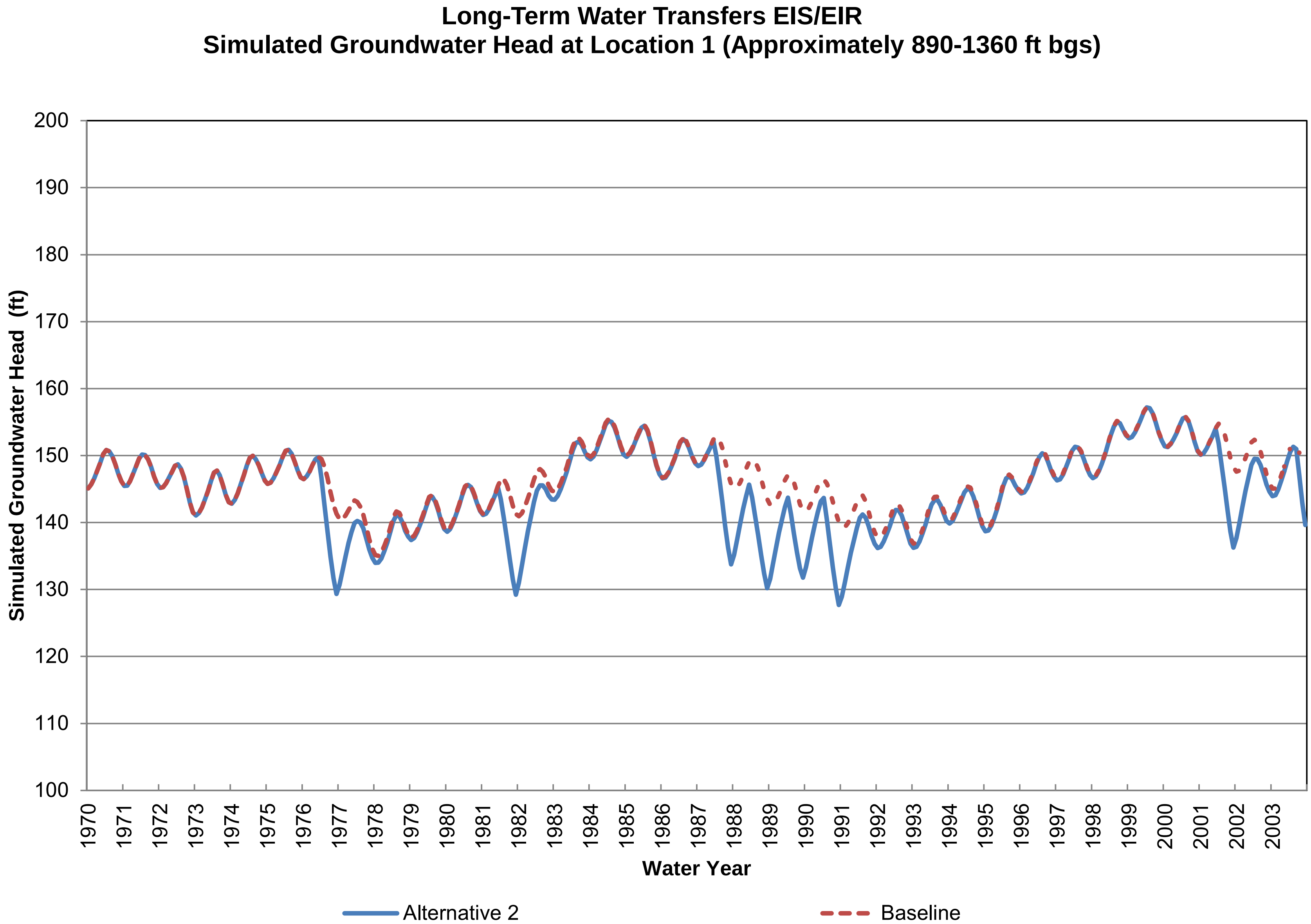
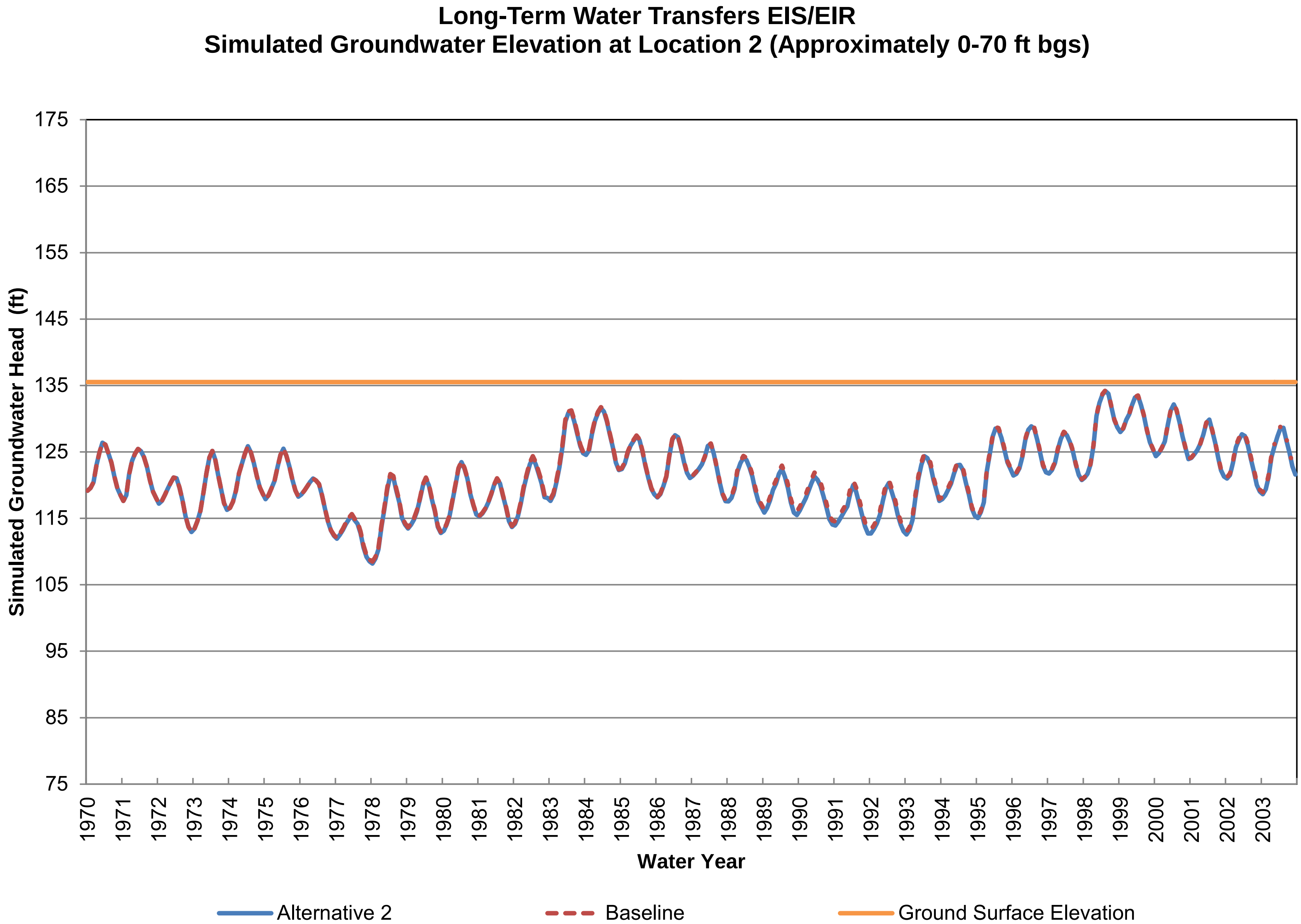
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 1 (Approximately 890-1360 ft bgs)
Simulated Groundwater Head (ft)
200
190
180
170
160
150
140
130
120
110
100
1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 2 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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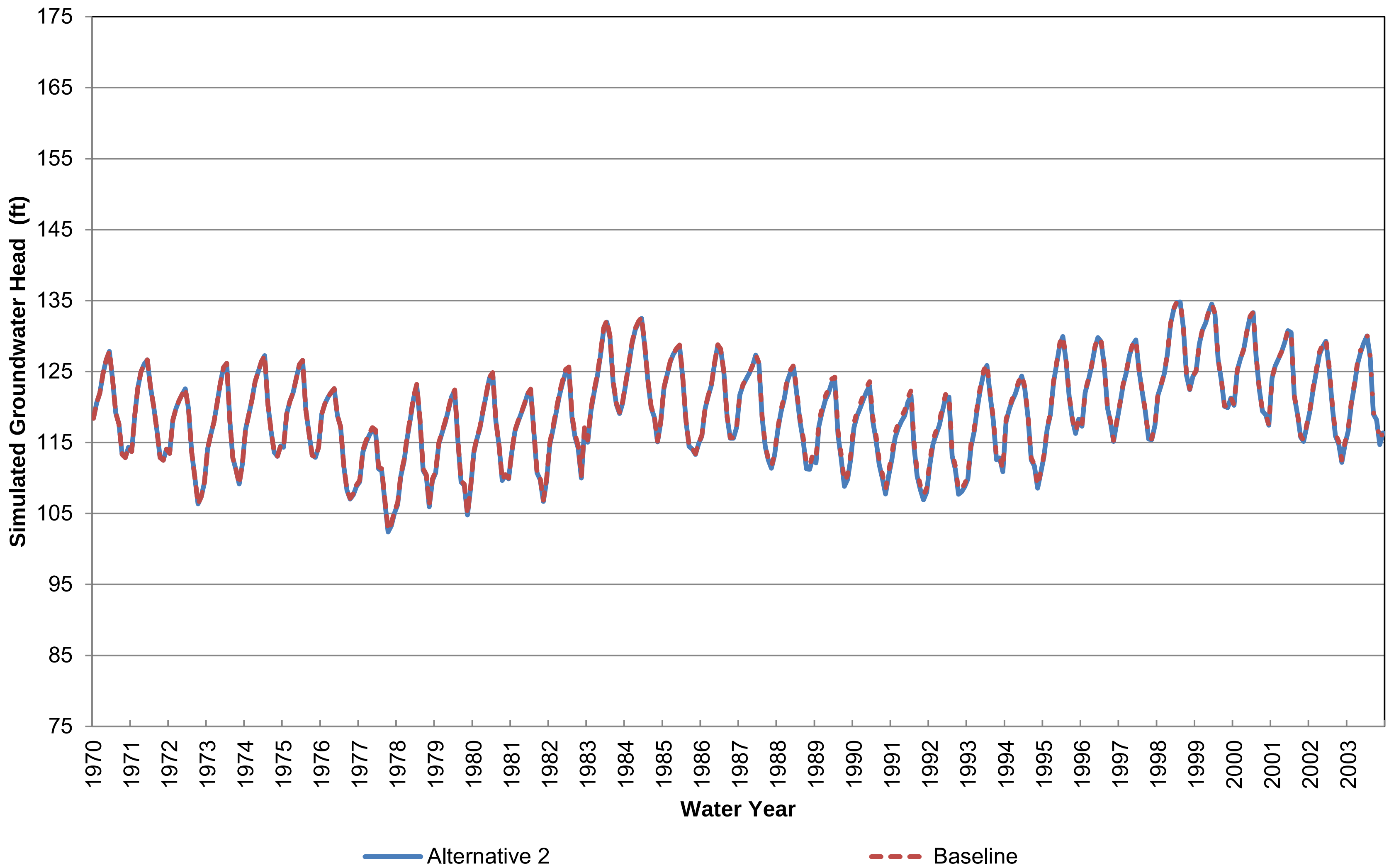
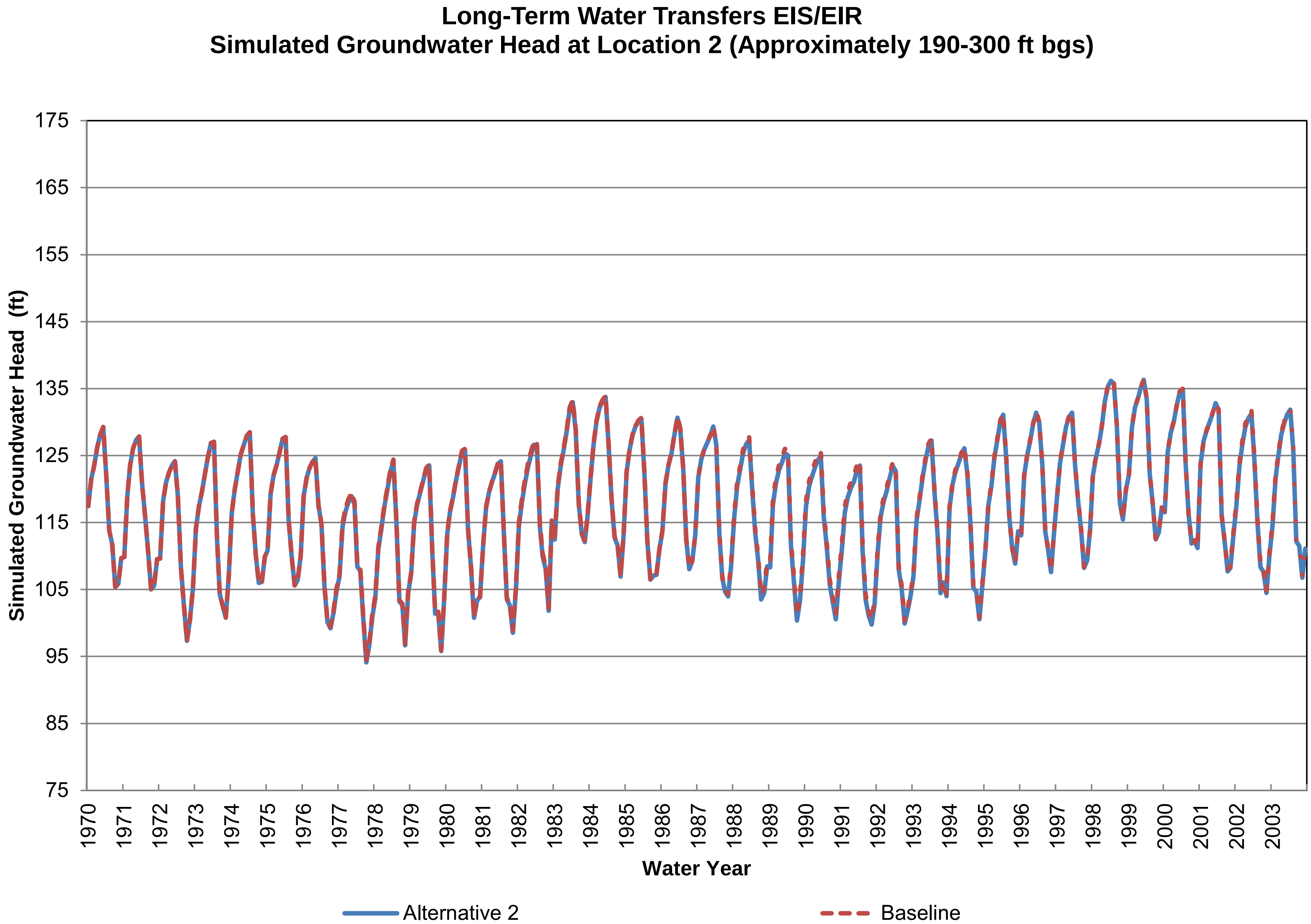
Water Year
Alternative 2
Baseline
Ground Surface Elevation

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 2 (Approximately 70-190 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 2 (Approximately 190-300 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
1977
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1979
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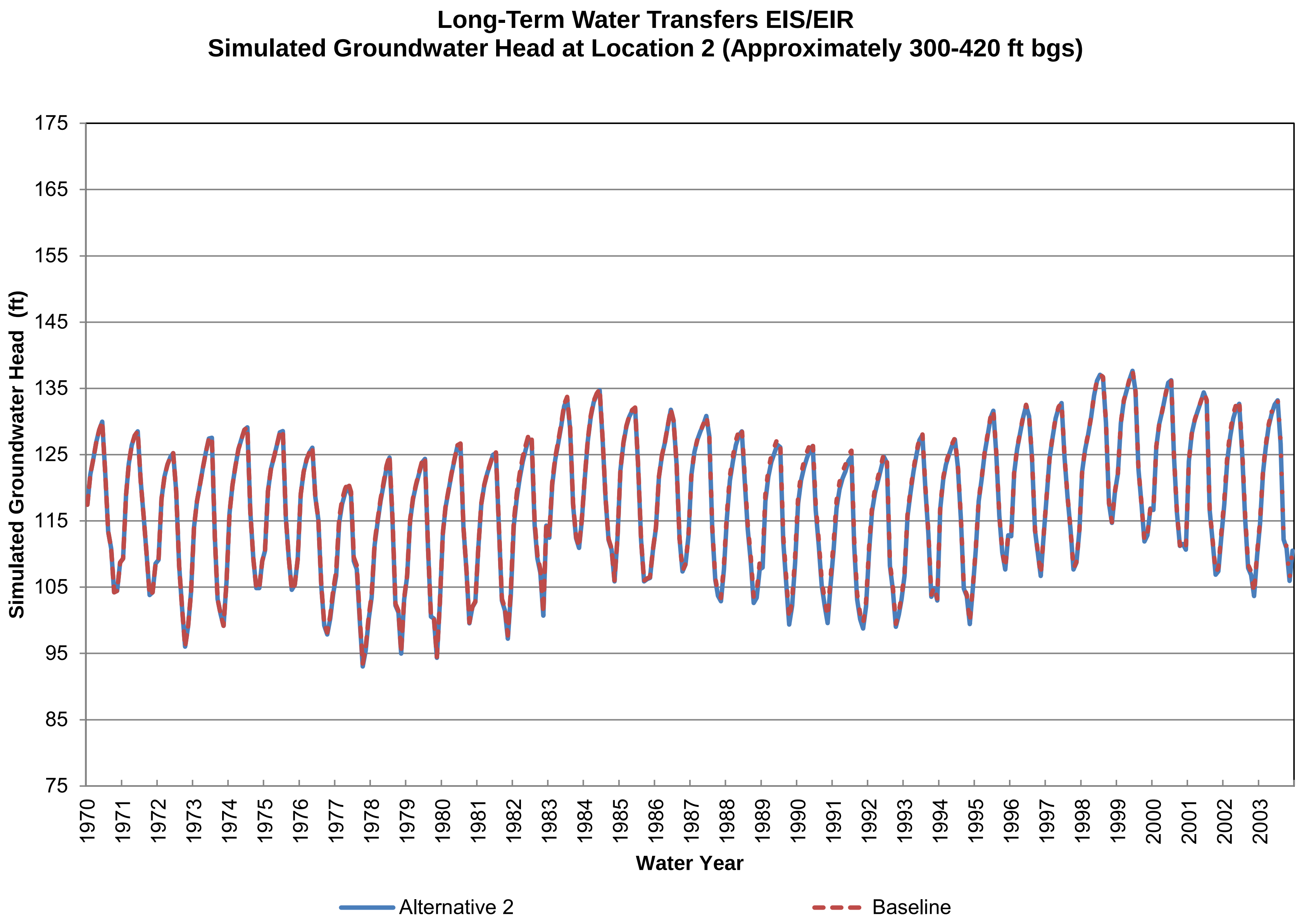
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 2 (Approximately 300-420 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
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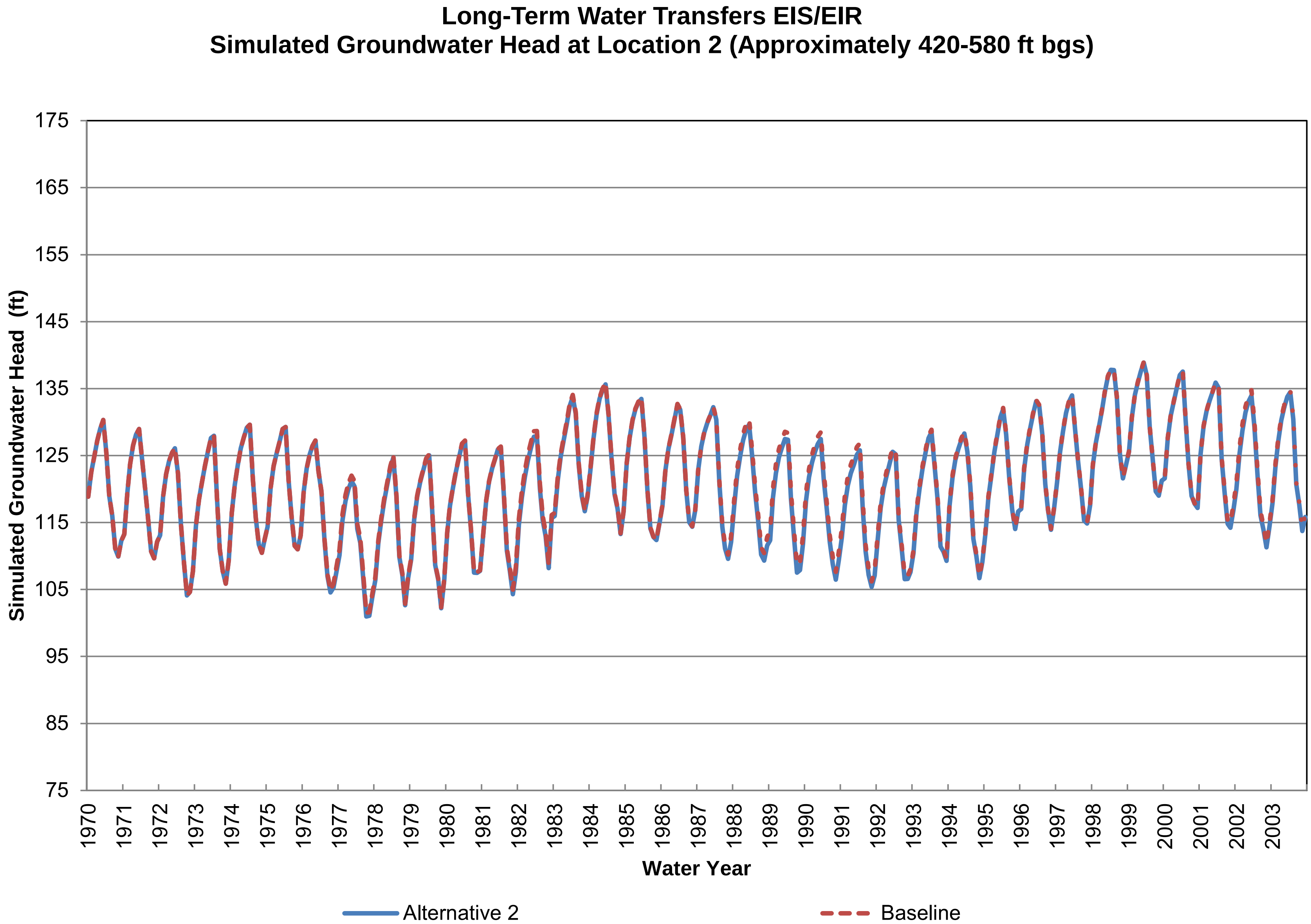
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 2 (Approximately 420-580 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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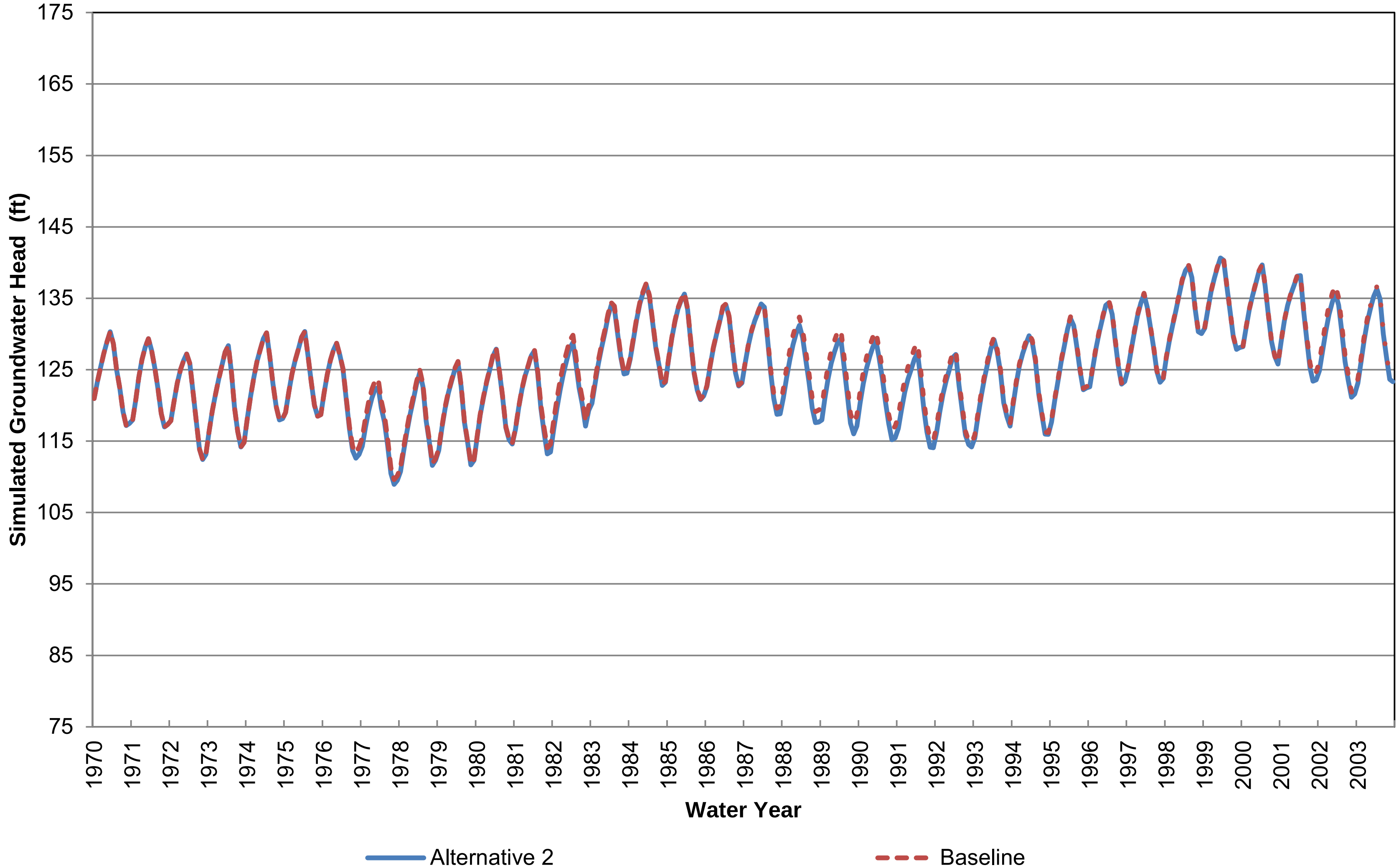
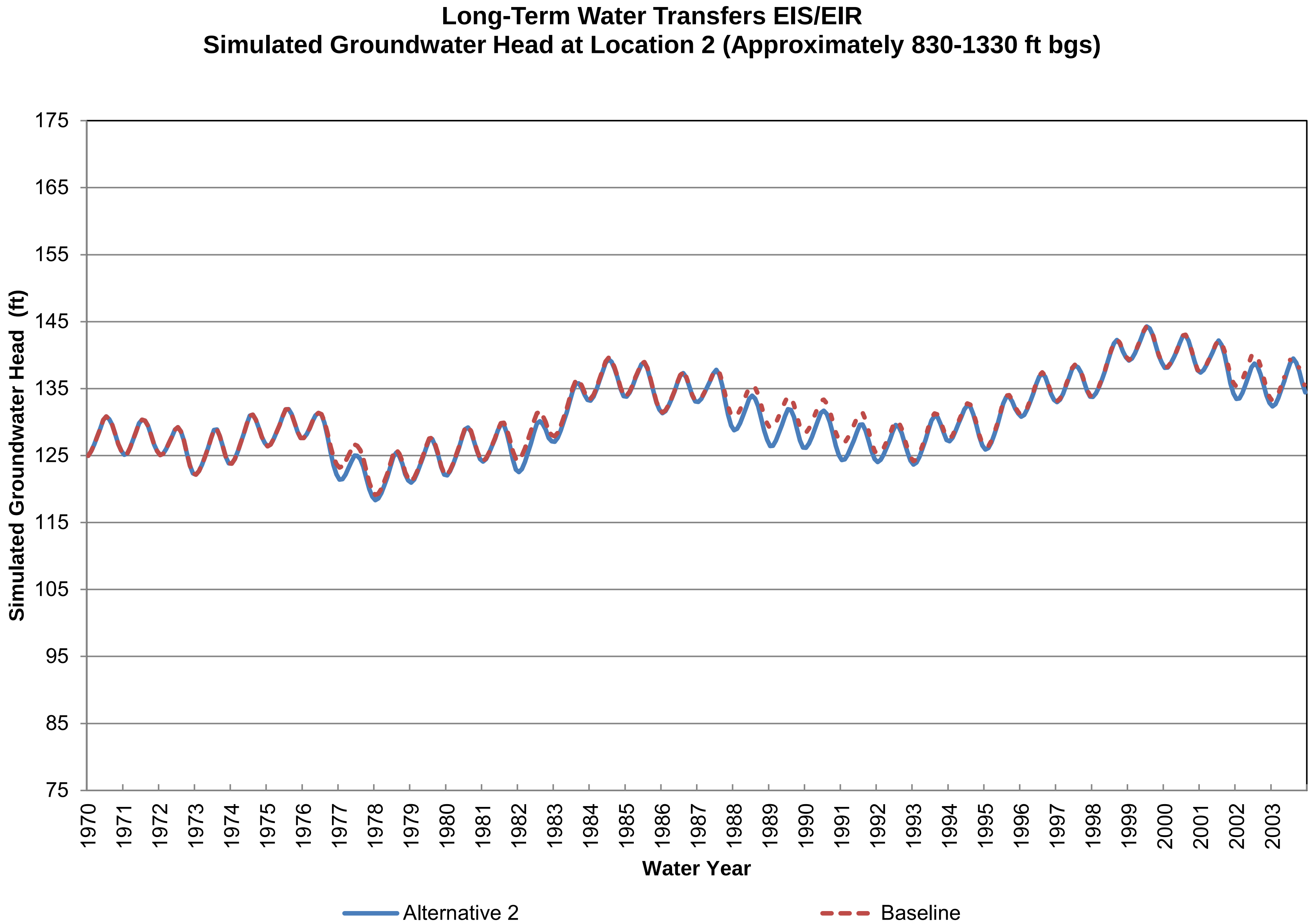
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 2 (Approximately 580-830 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 2 (Approximately 830-1330 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
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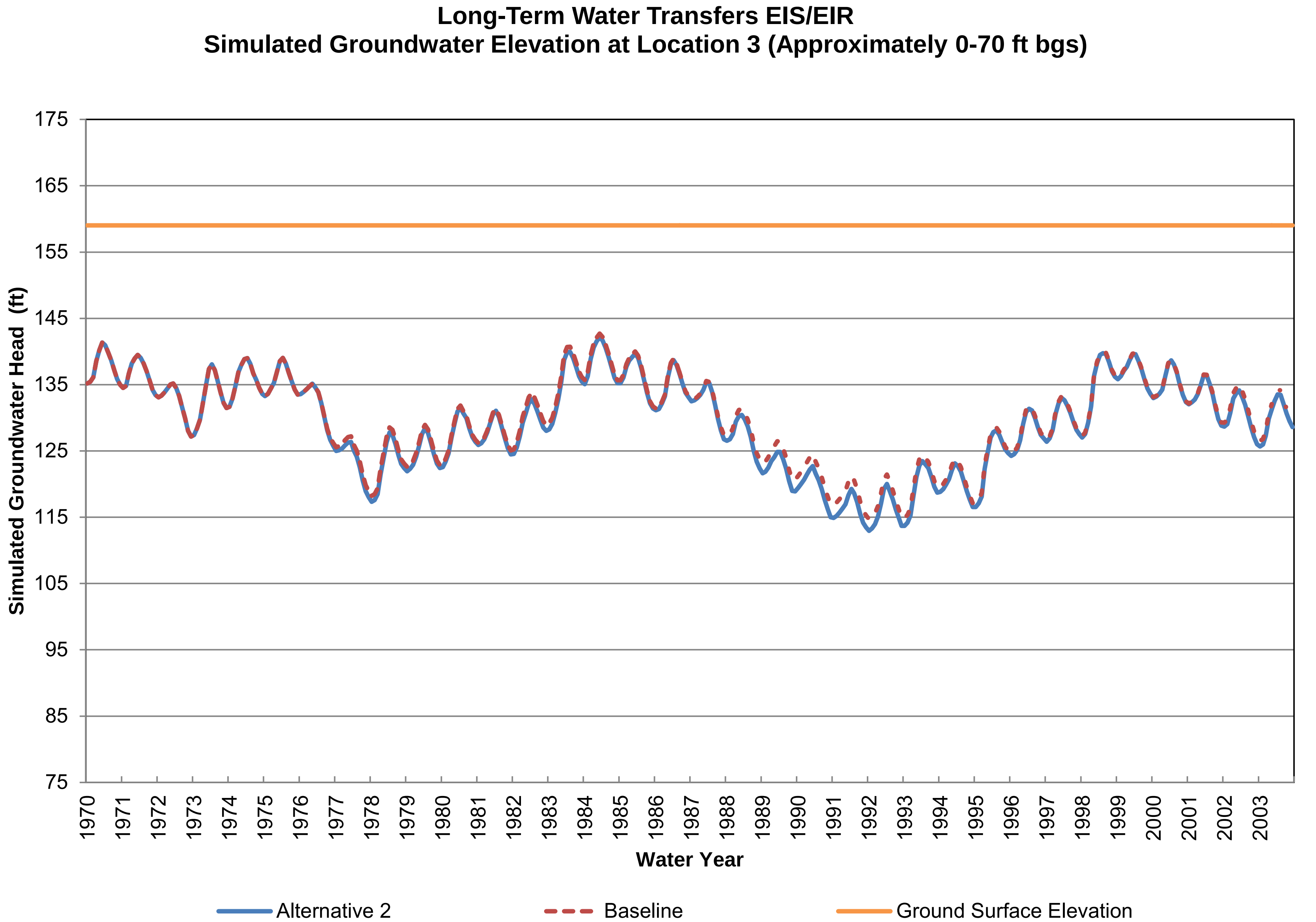
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 3 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
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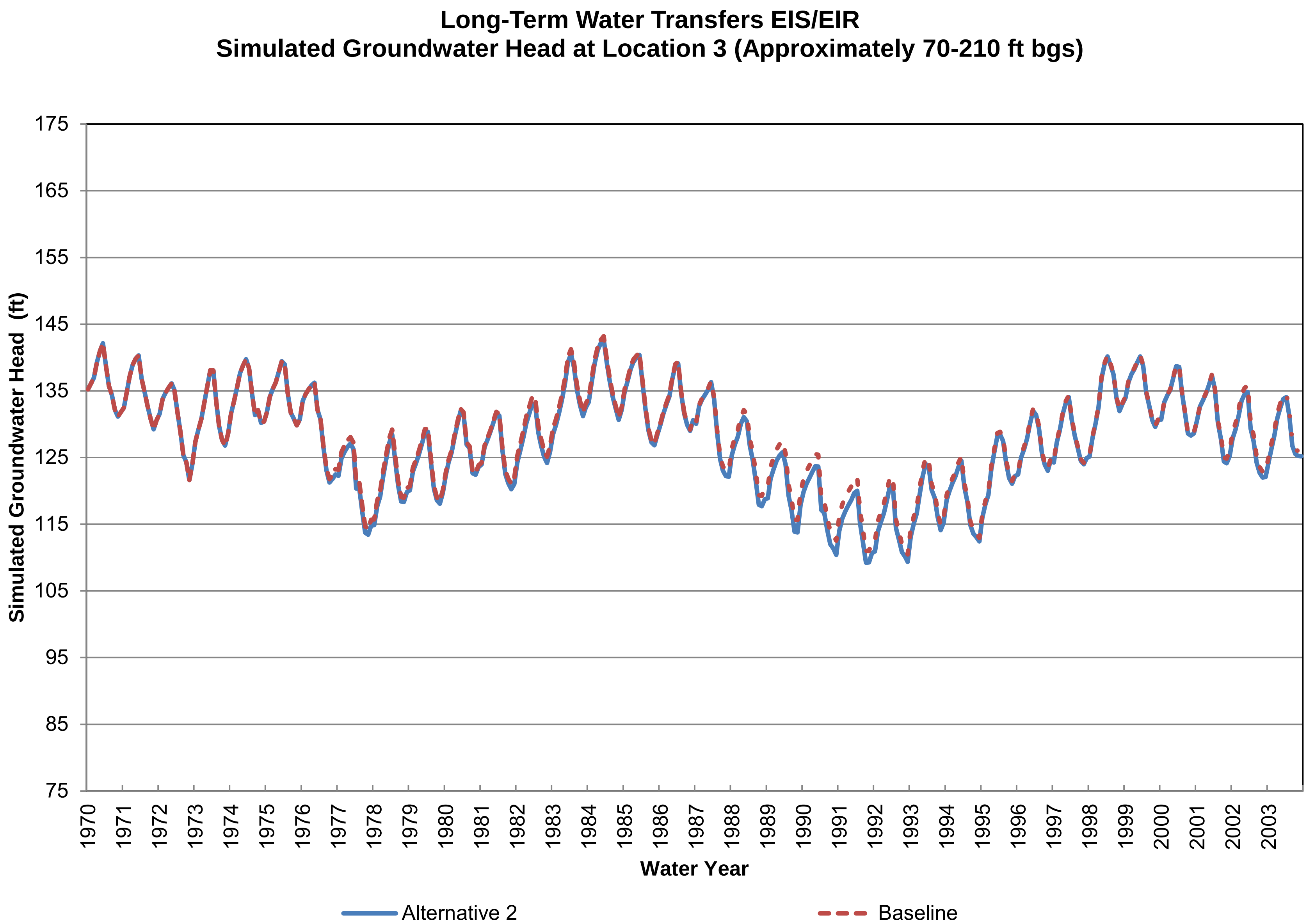
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 3 (Approximately 70-210 ft bgs)
175
165
155
145
135
125
115
105
95
85
75
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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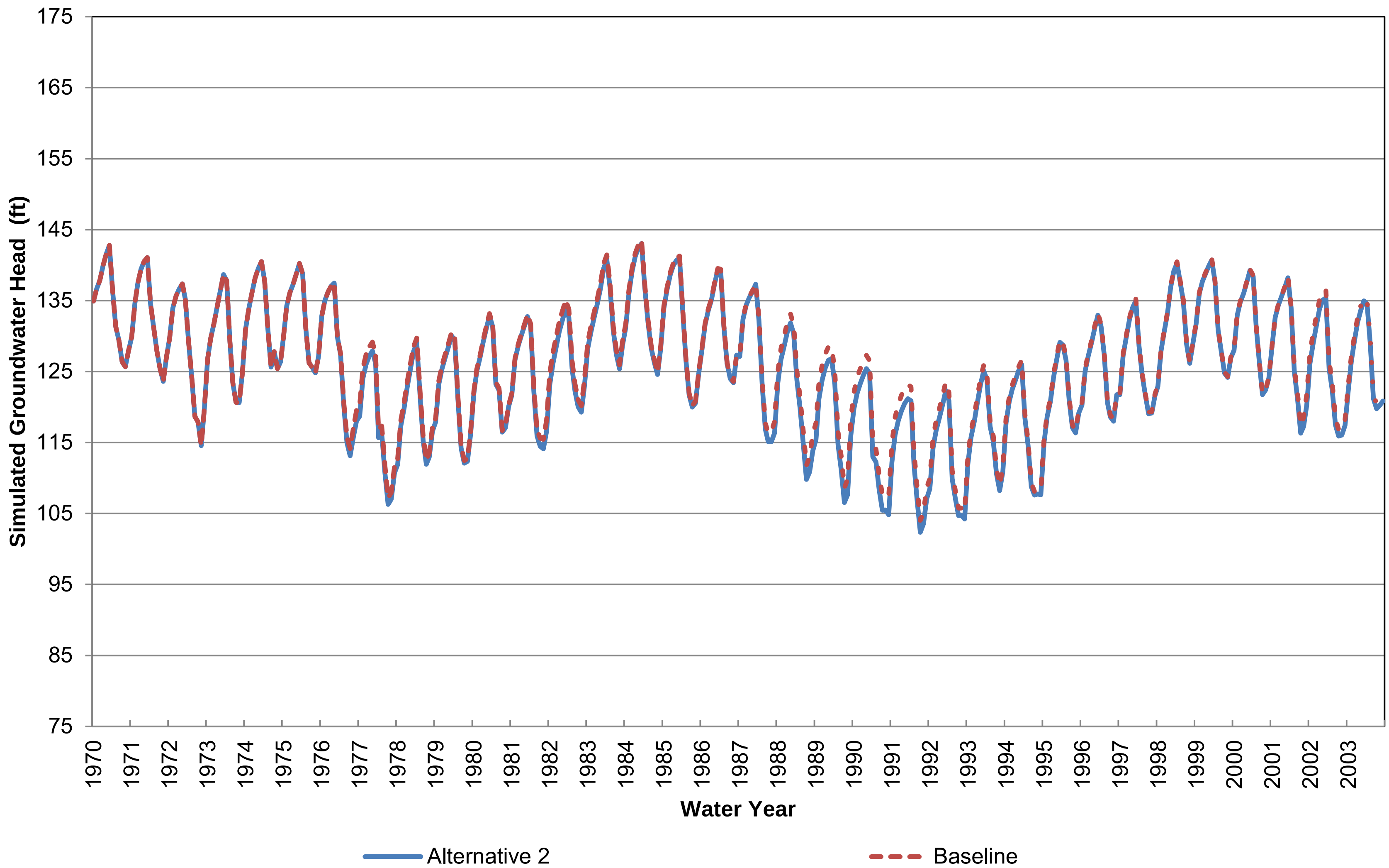
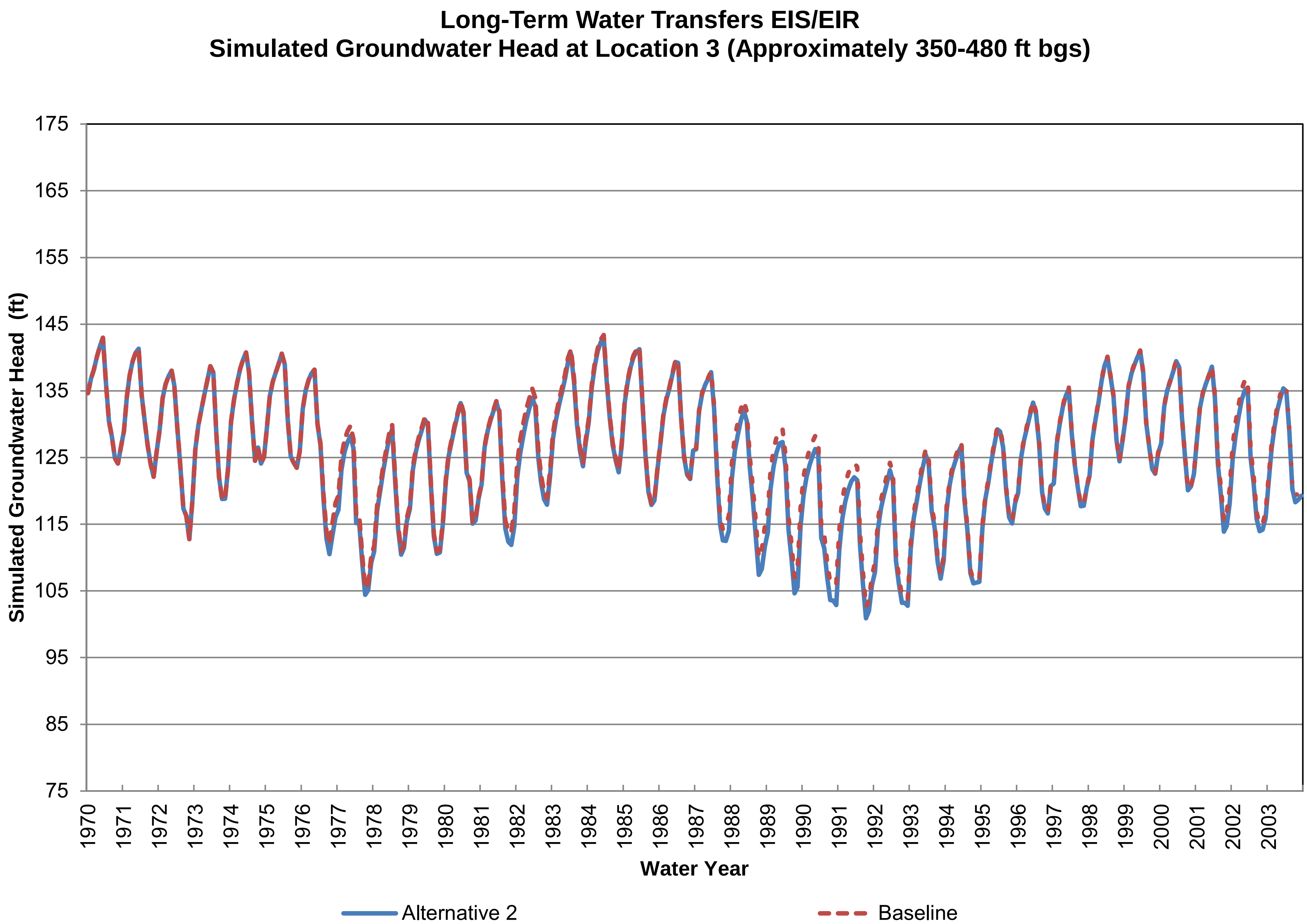
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 3 (Approximately 210-350 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 3 (Approximately 350-480 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
1977
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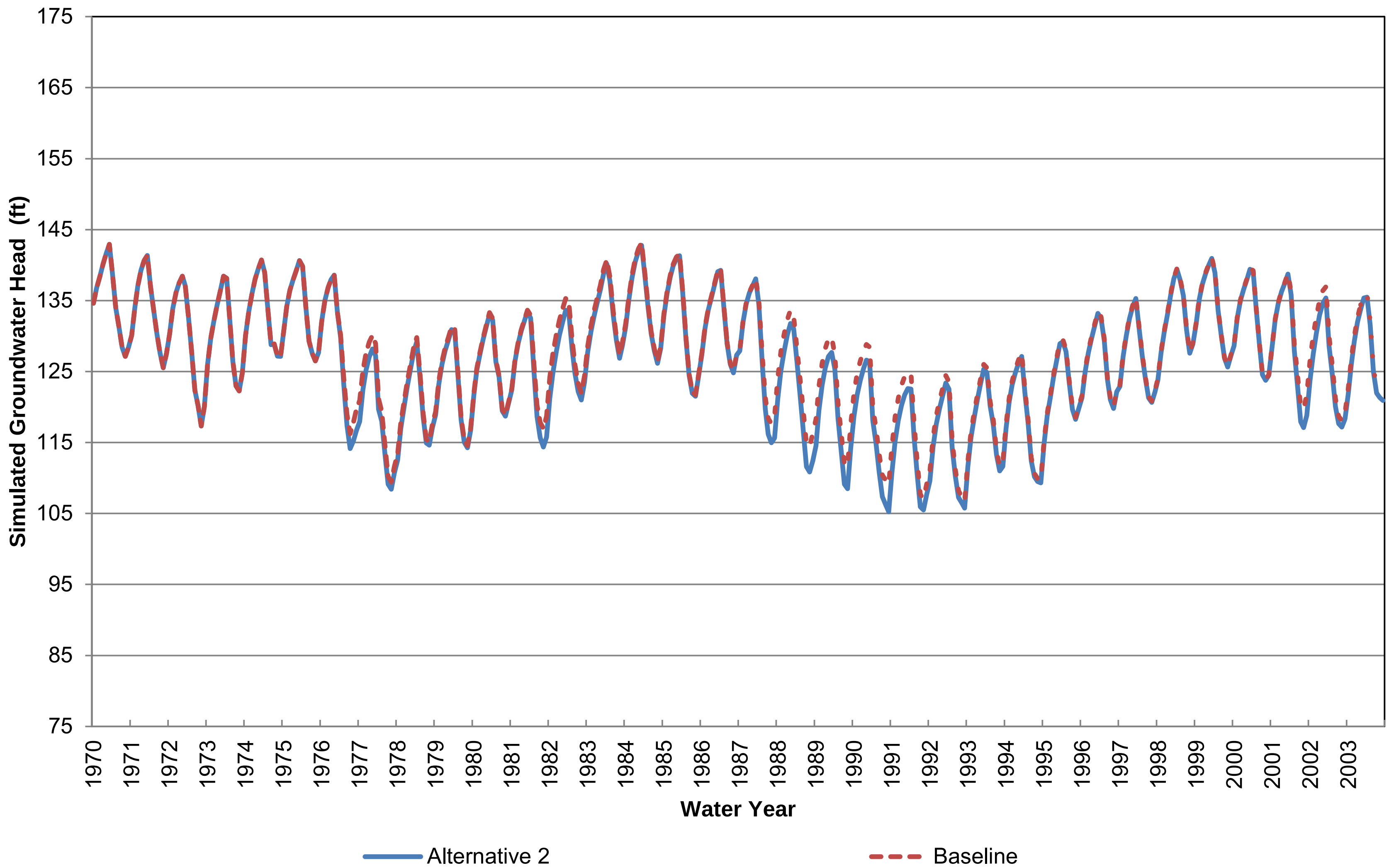
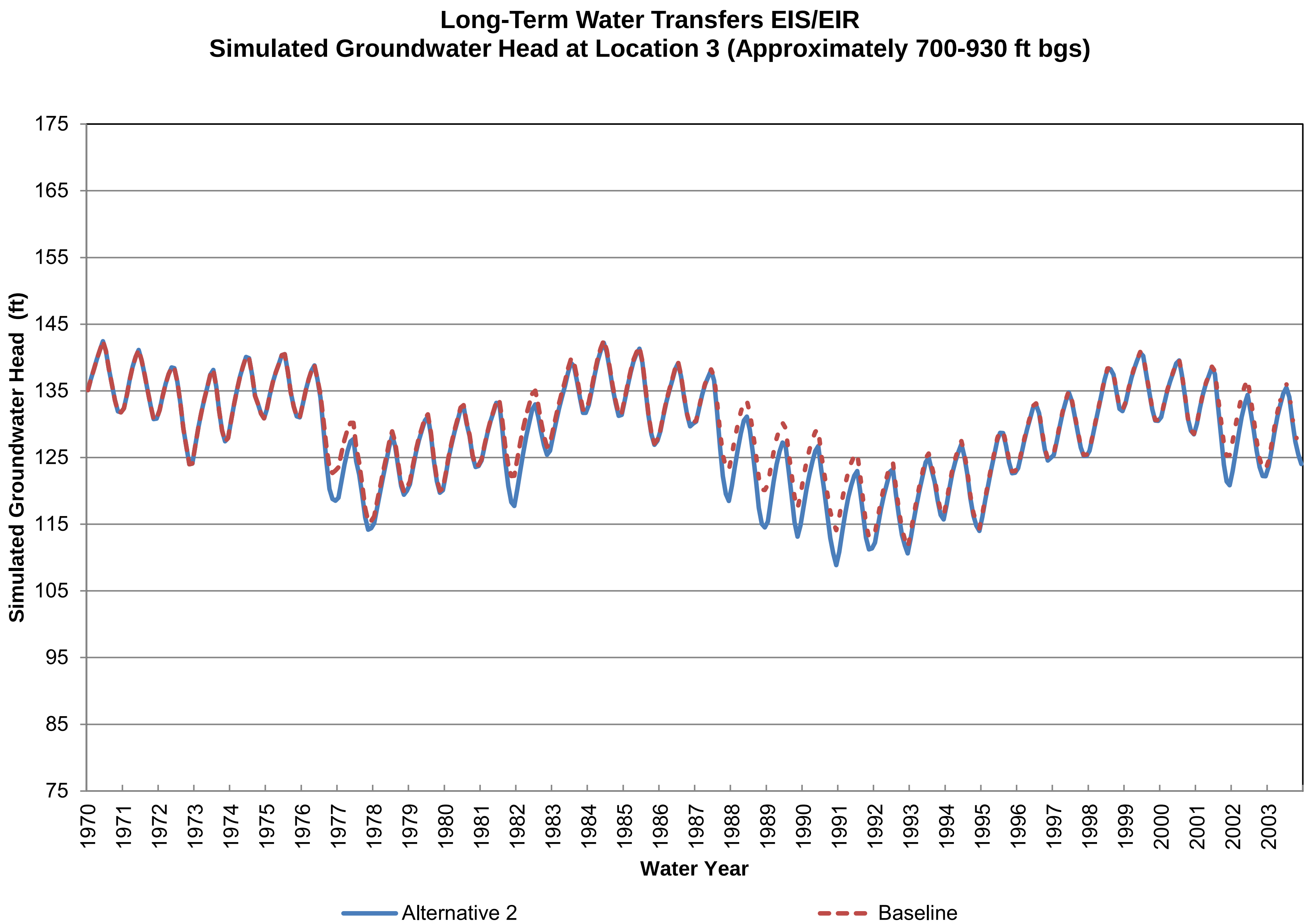
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 3 (Approximately 480-700 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 3 (Approximately 700-930 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
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1975
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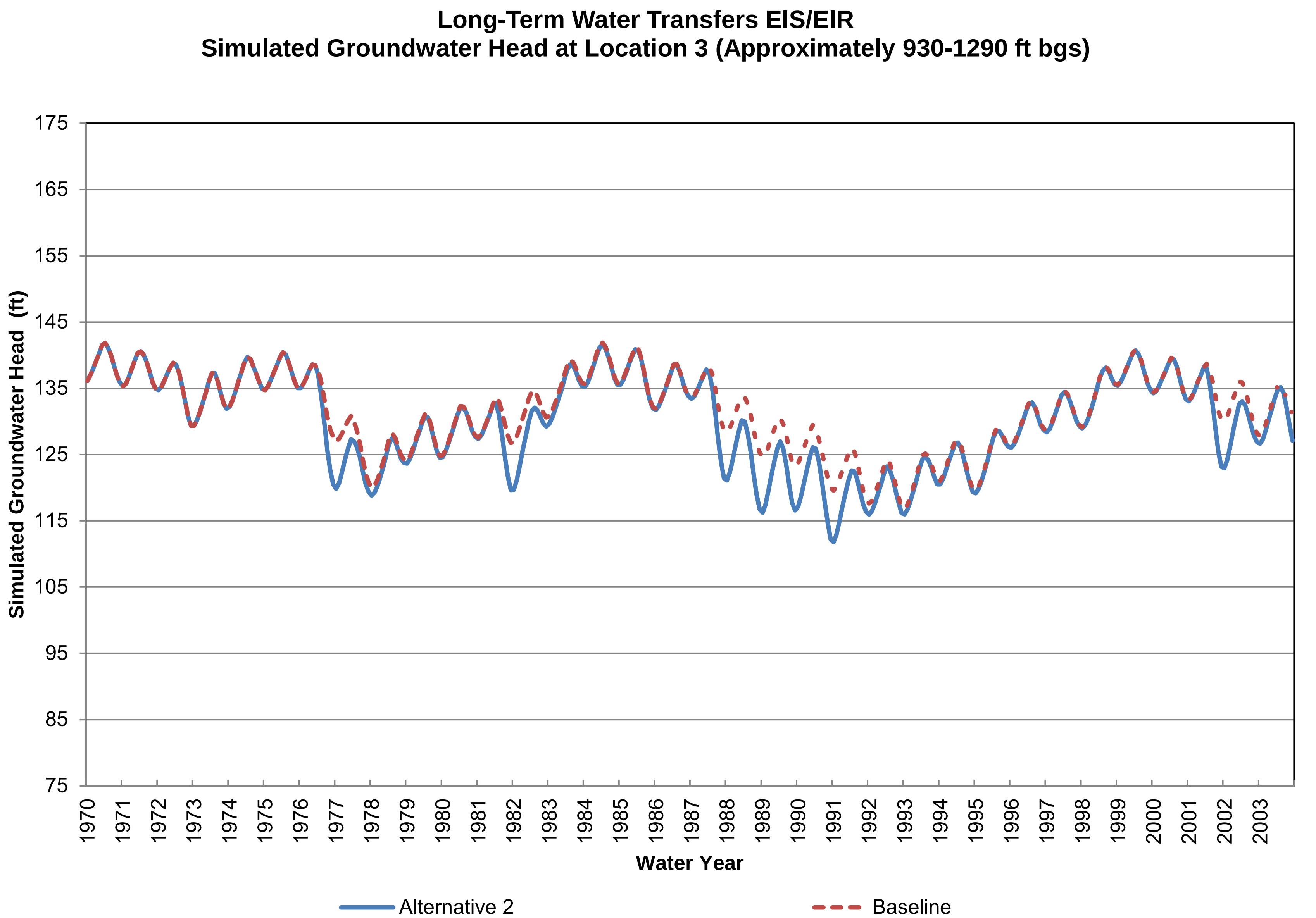
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 3 (Approximately 930-1290 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
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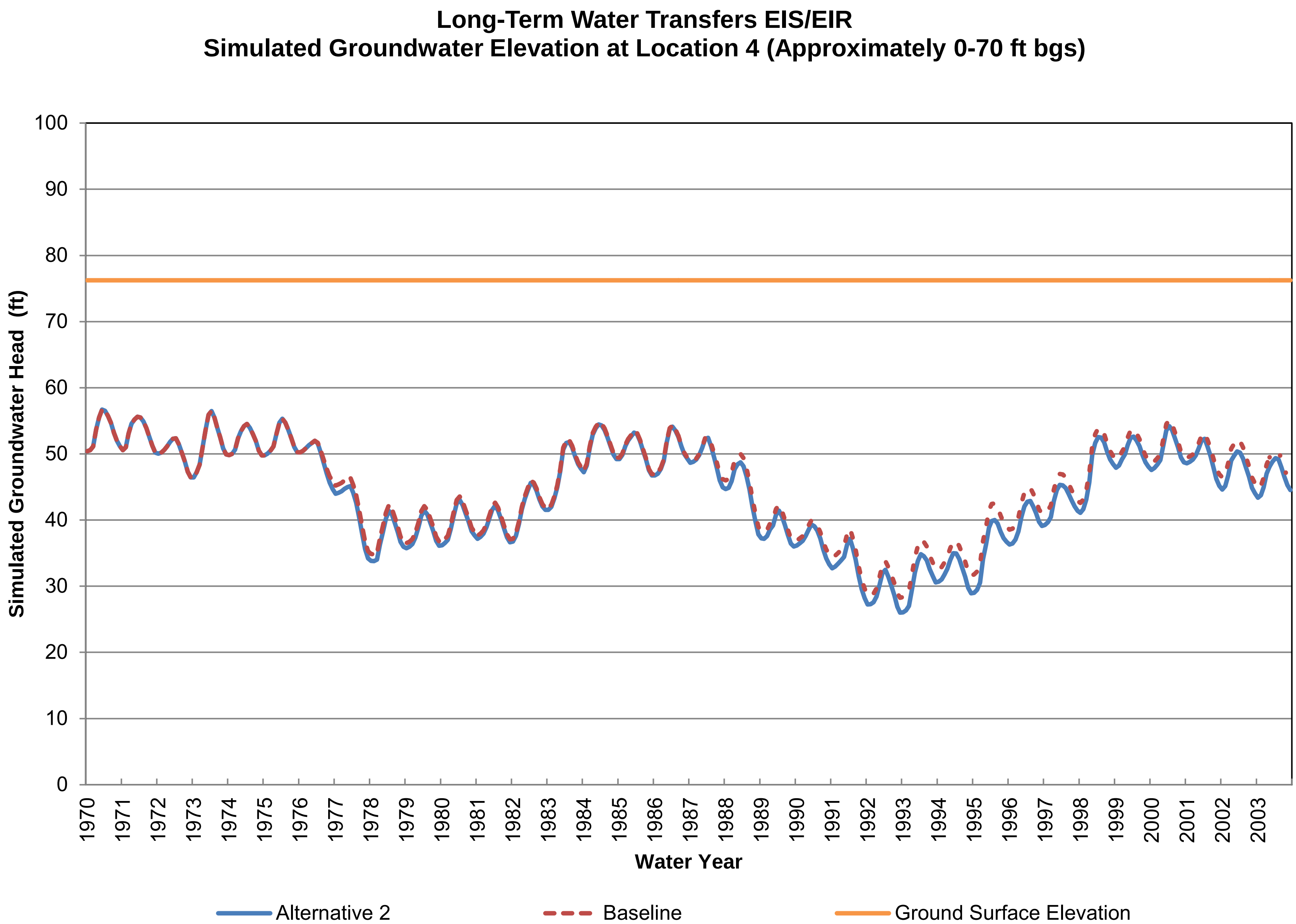
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 4 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
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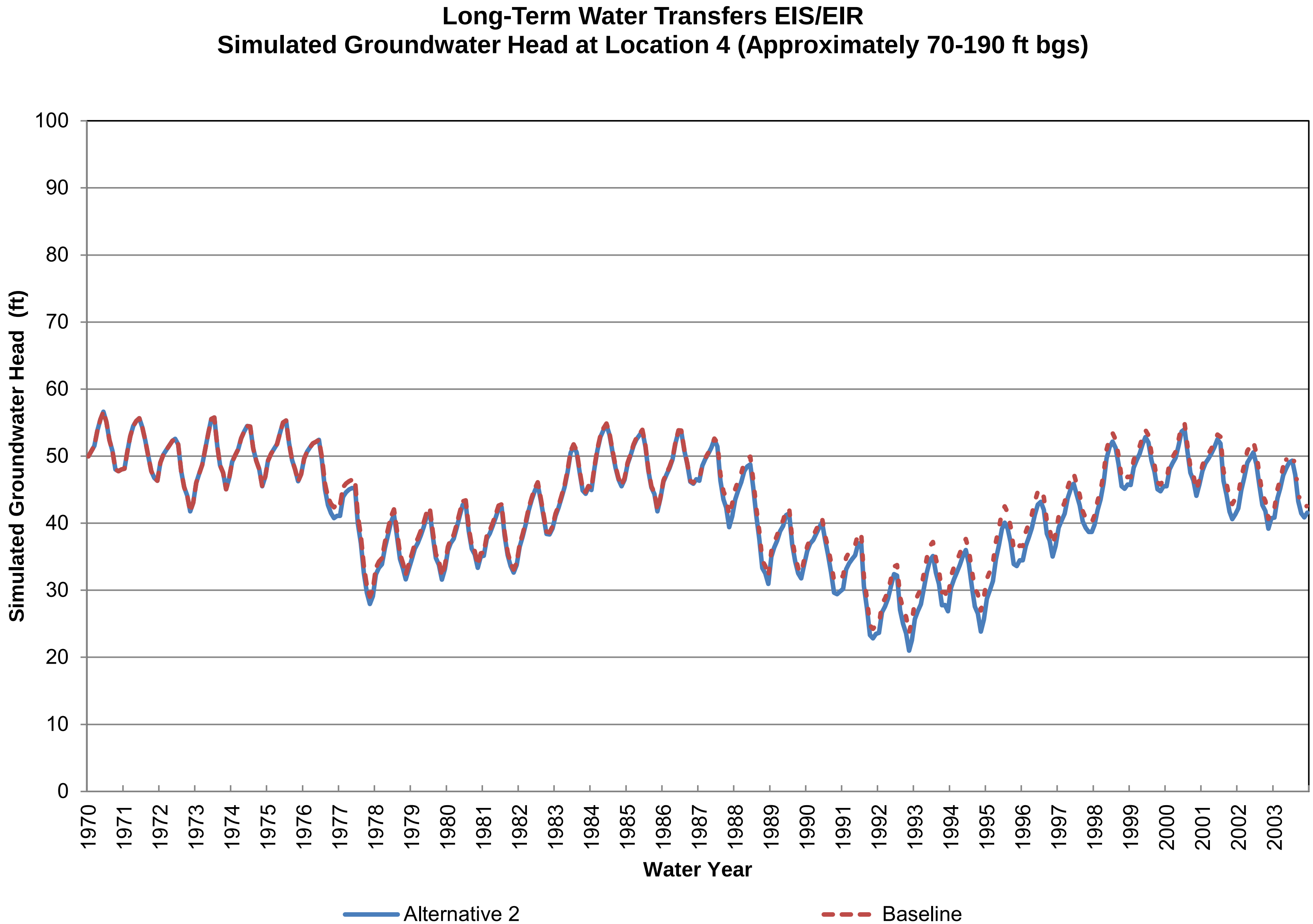
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 4 (Approximately 70-190 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
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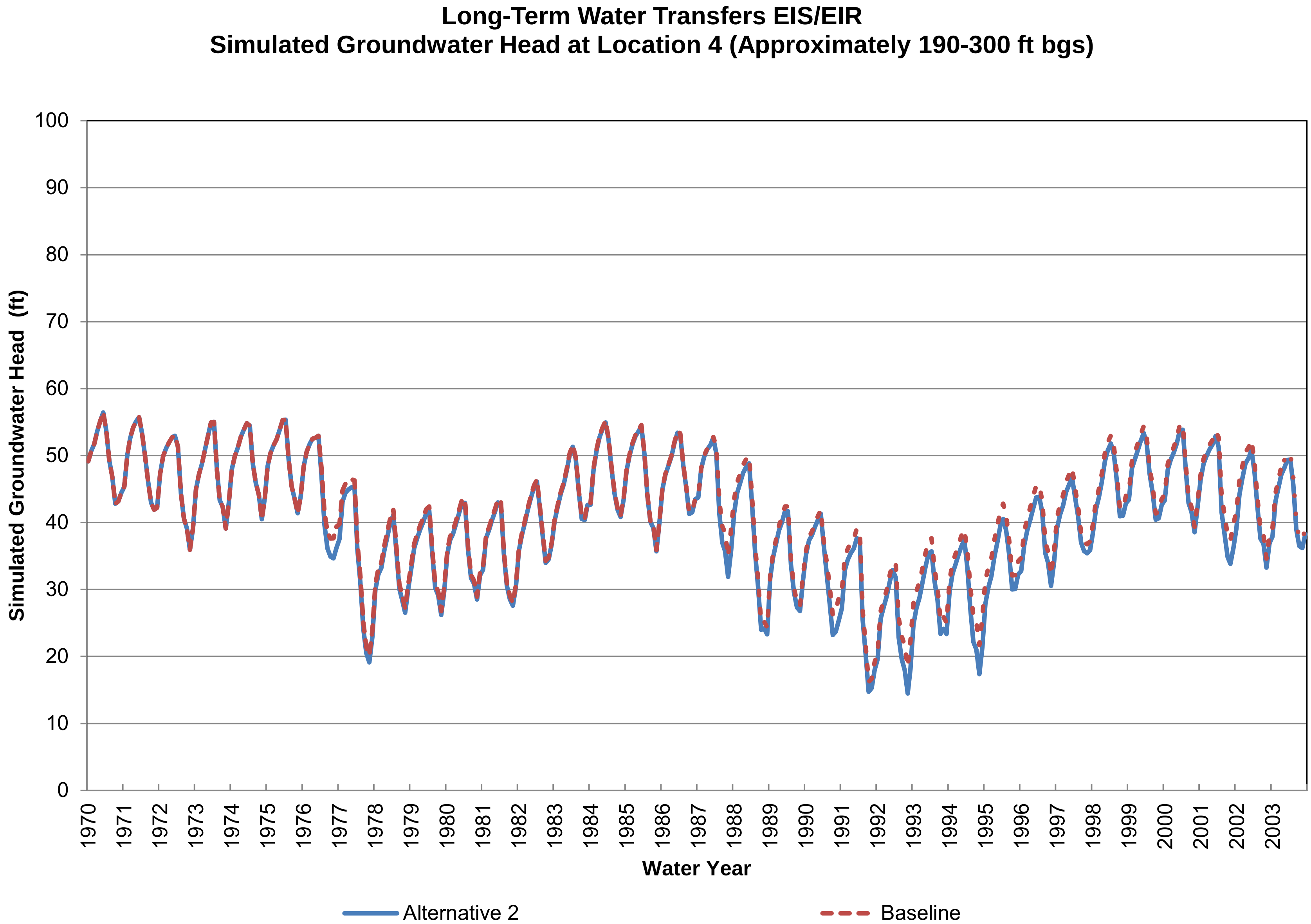
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 4 (Approximately 190-300 ft bgs)
100
90
80
70
60
50
40
30
20
10
0
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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1981
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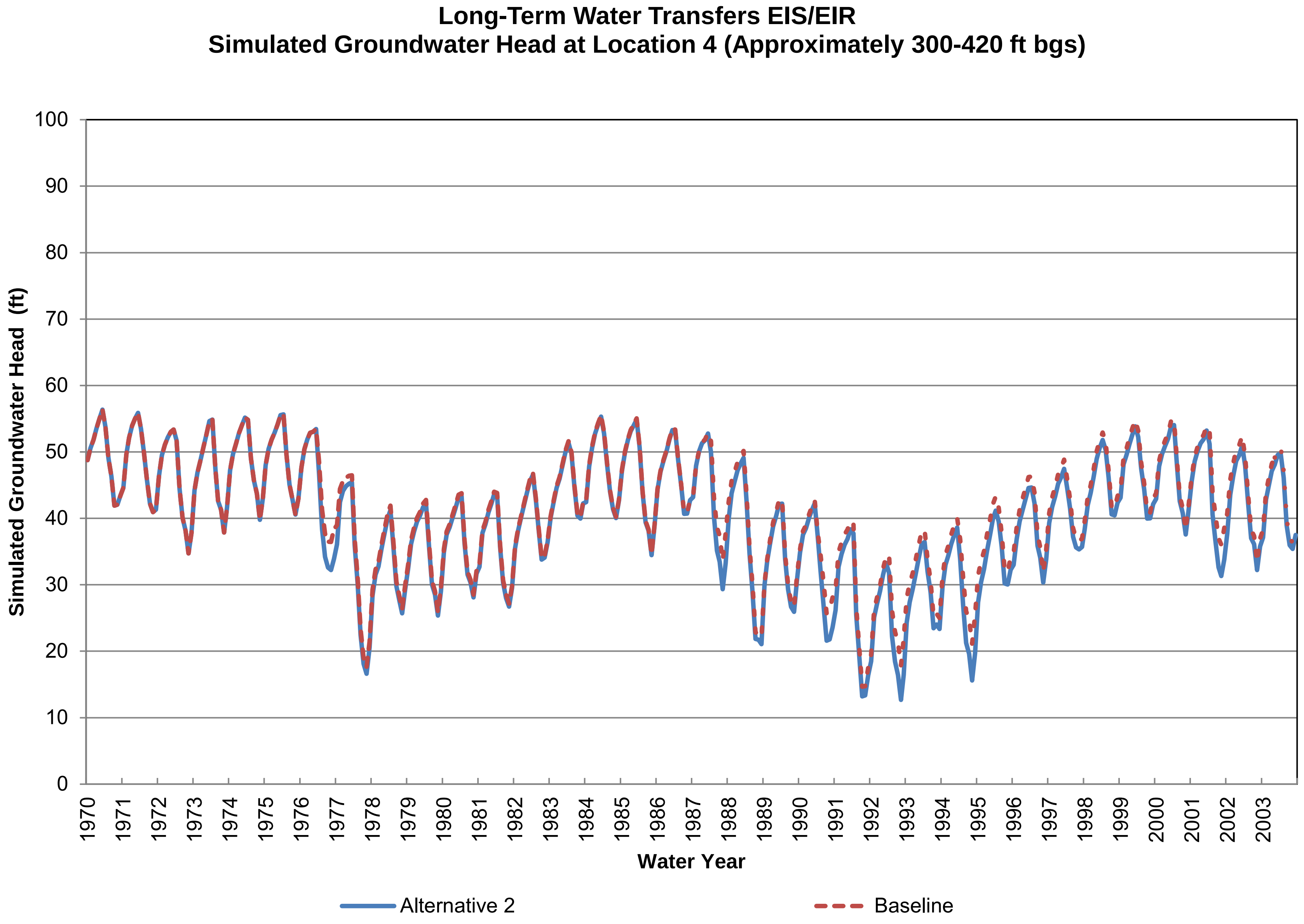
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 4 (Approximately 300-420 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
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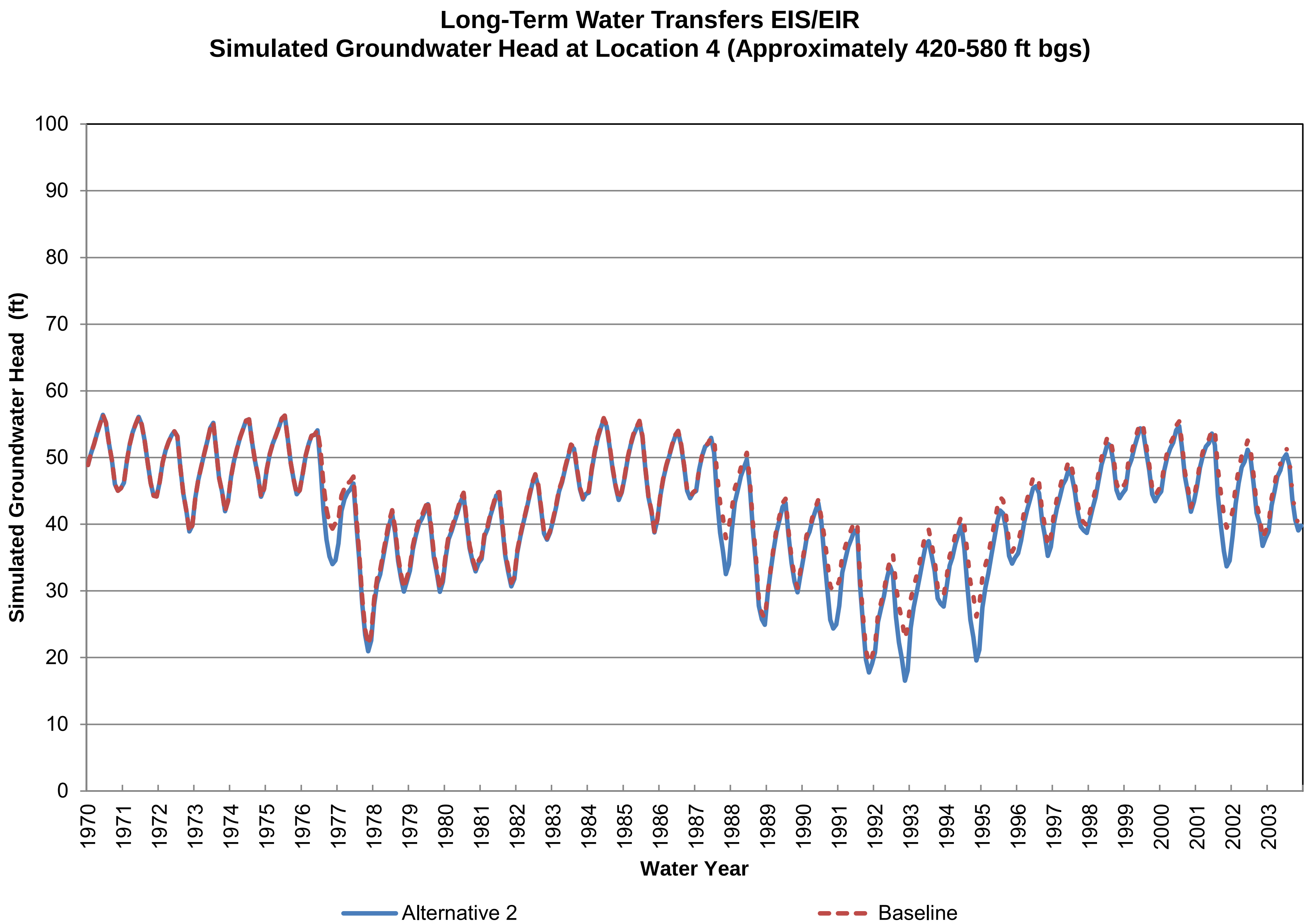
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 4 (Approximately 420-580 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
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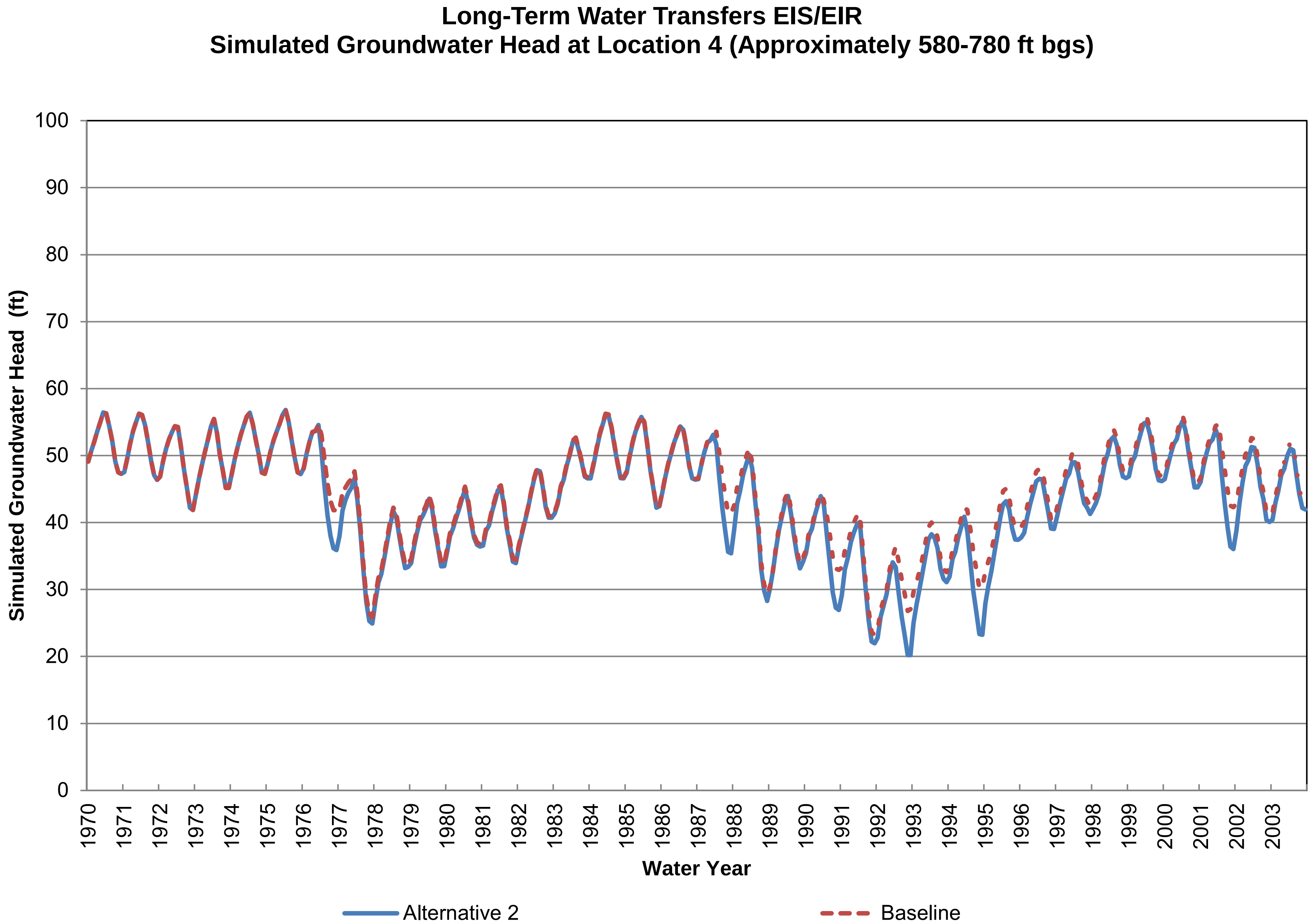
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 4 (Approximately 580-780 ft bgs)
Simulated Groundwater Head (ft)
0
10
20
30
40
50
60
70
80
90
100
1970
1971
1972
1973
1974
1975
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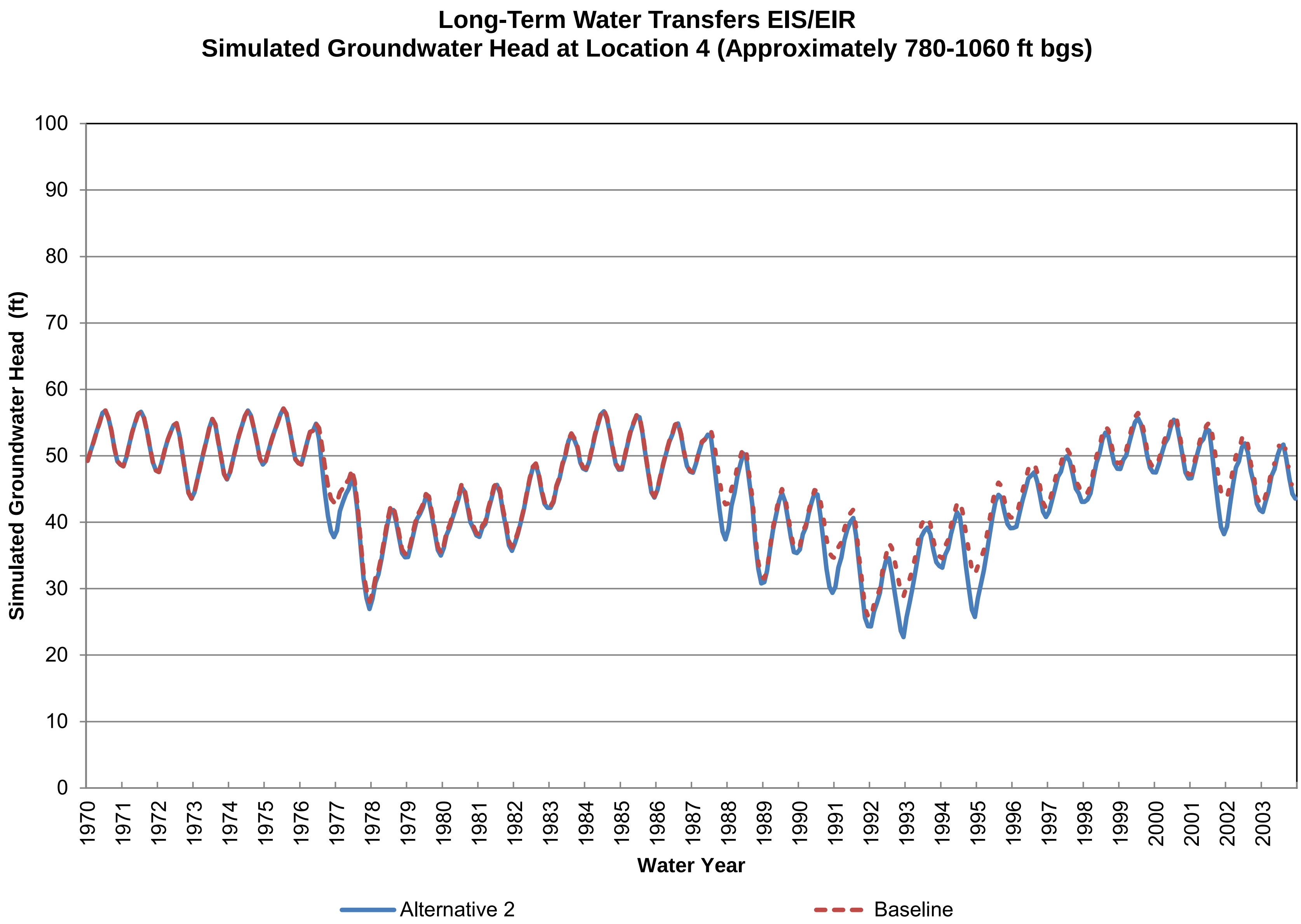
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 4 (Approximately 780-1060 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
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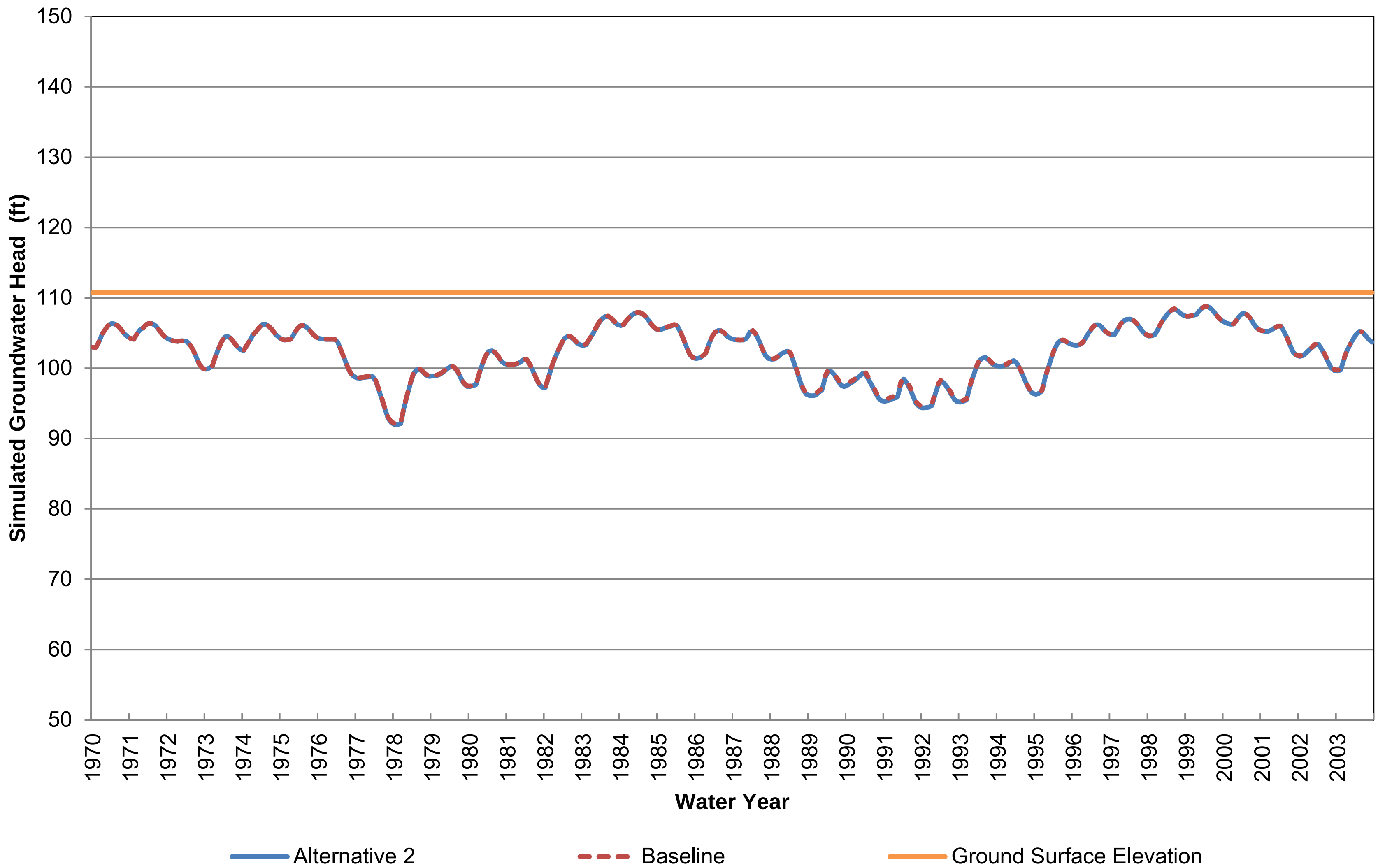
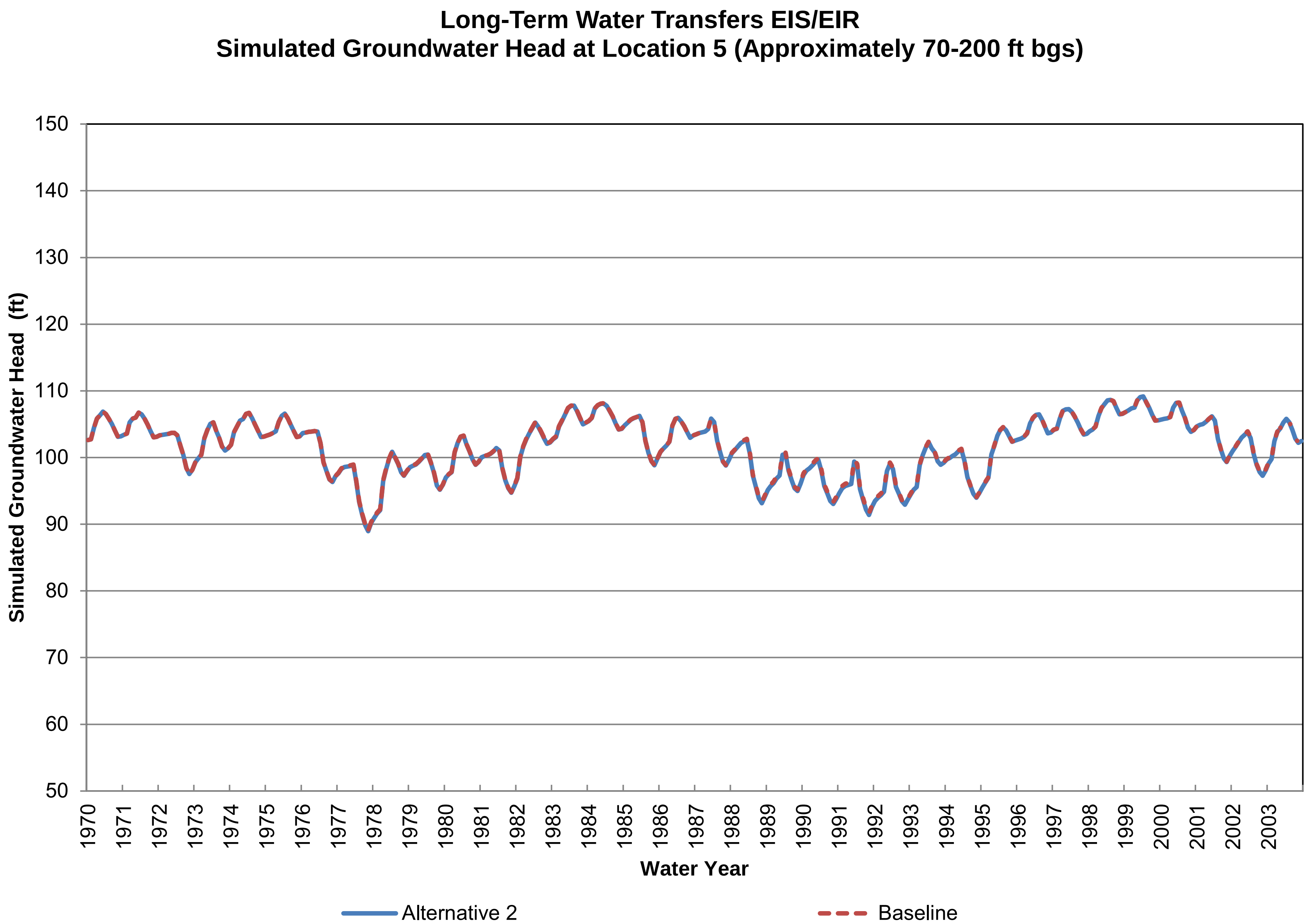
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 5 (Approximately 0-70 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 5 (Approximately 70-200 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
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1975
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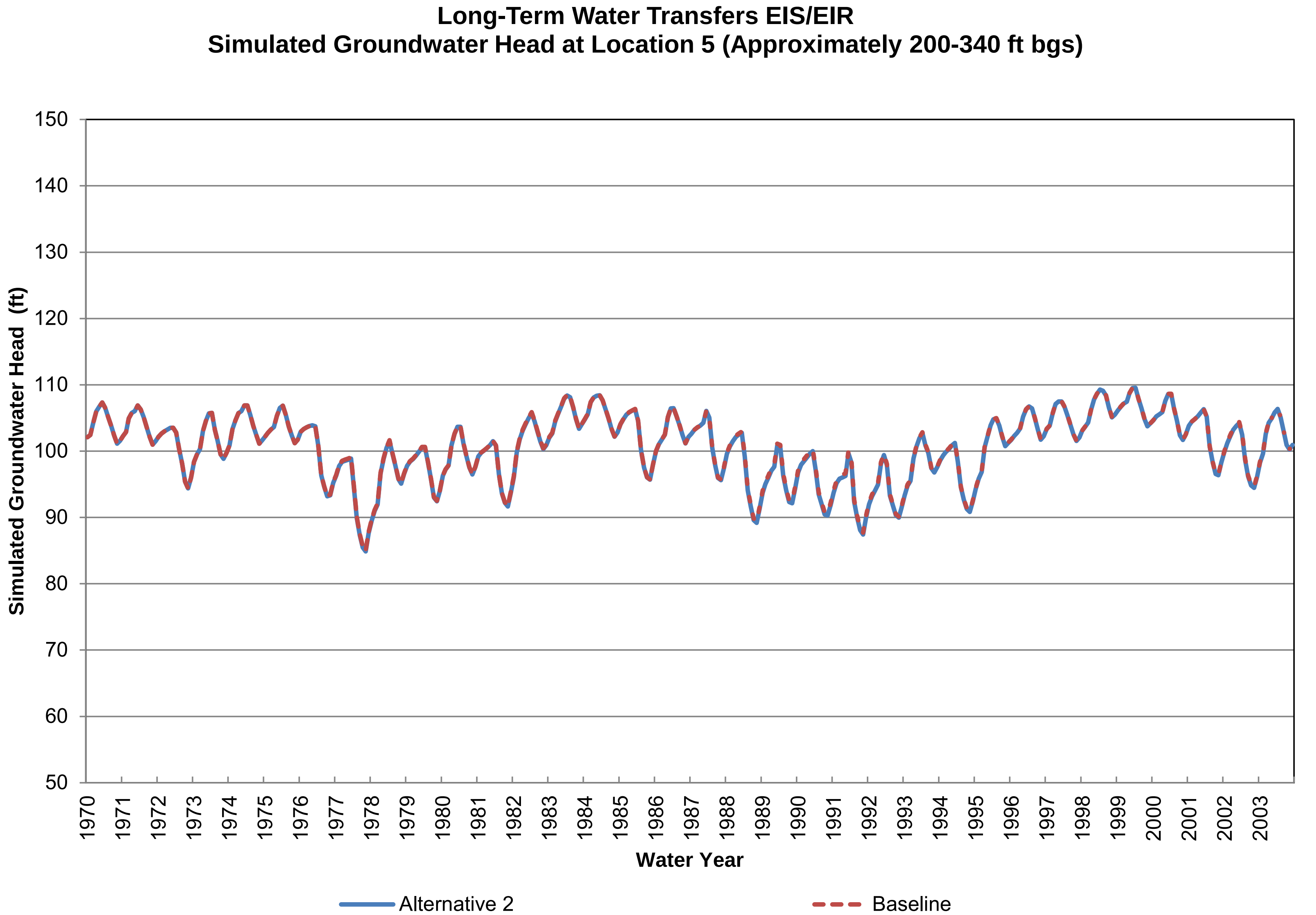
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 5 (Approximately 200-340 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
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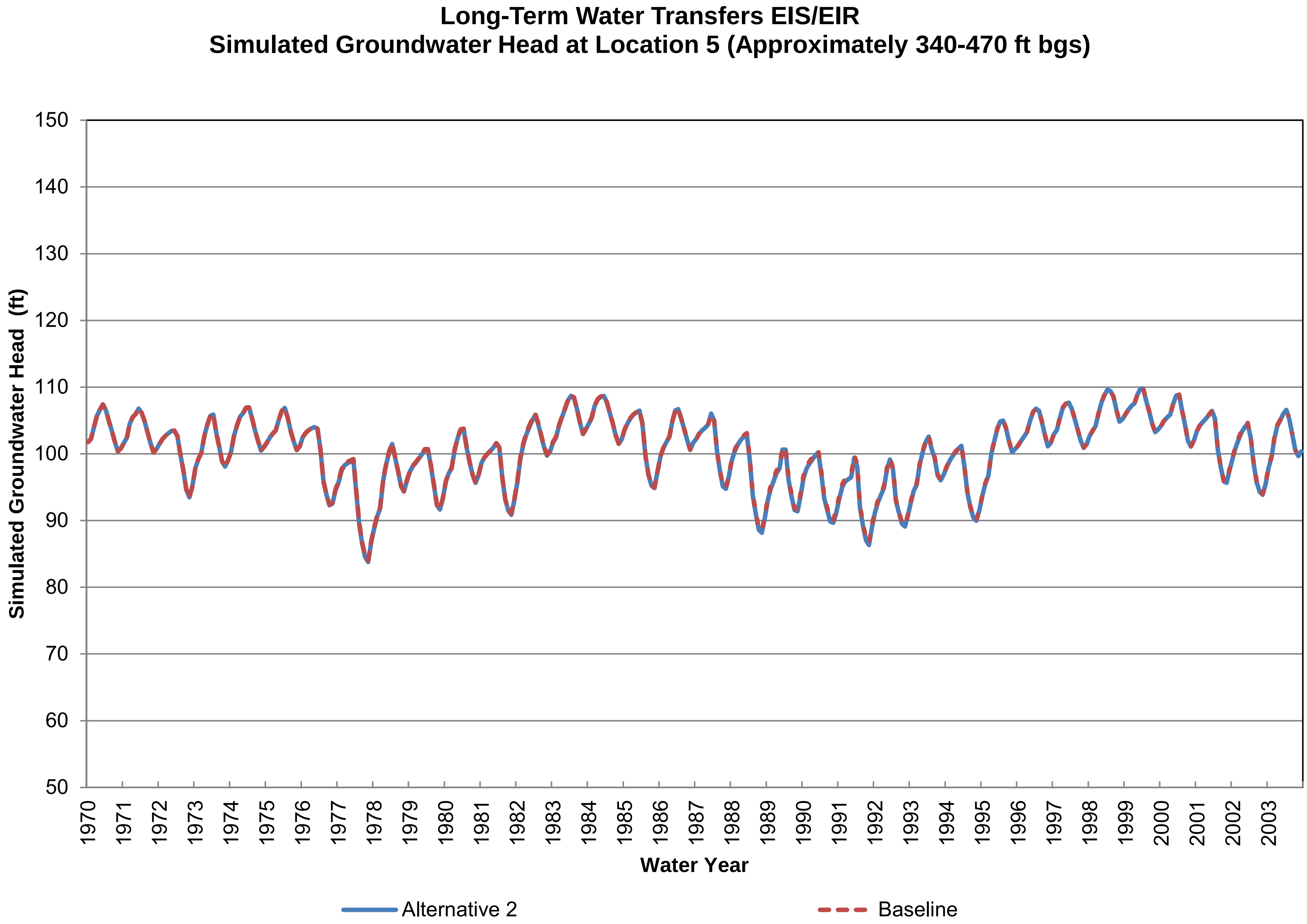
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 5 (Approximately 340-470 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
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2002
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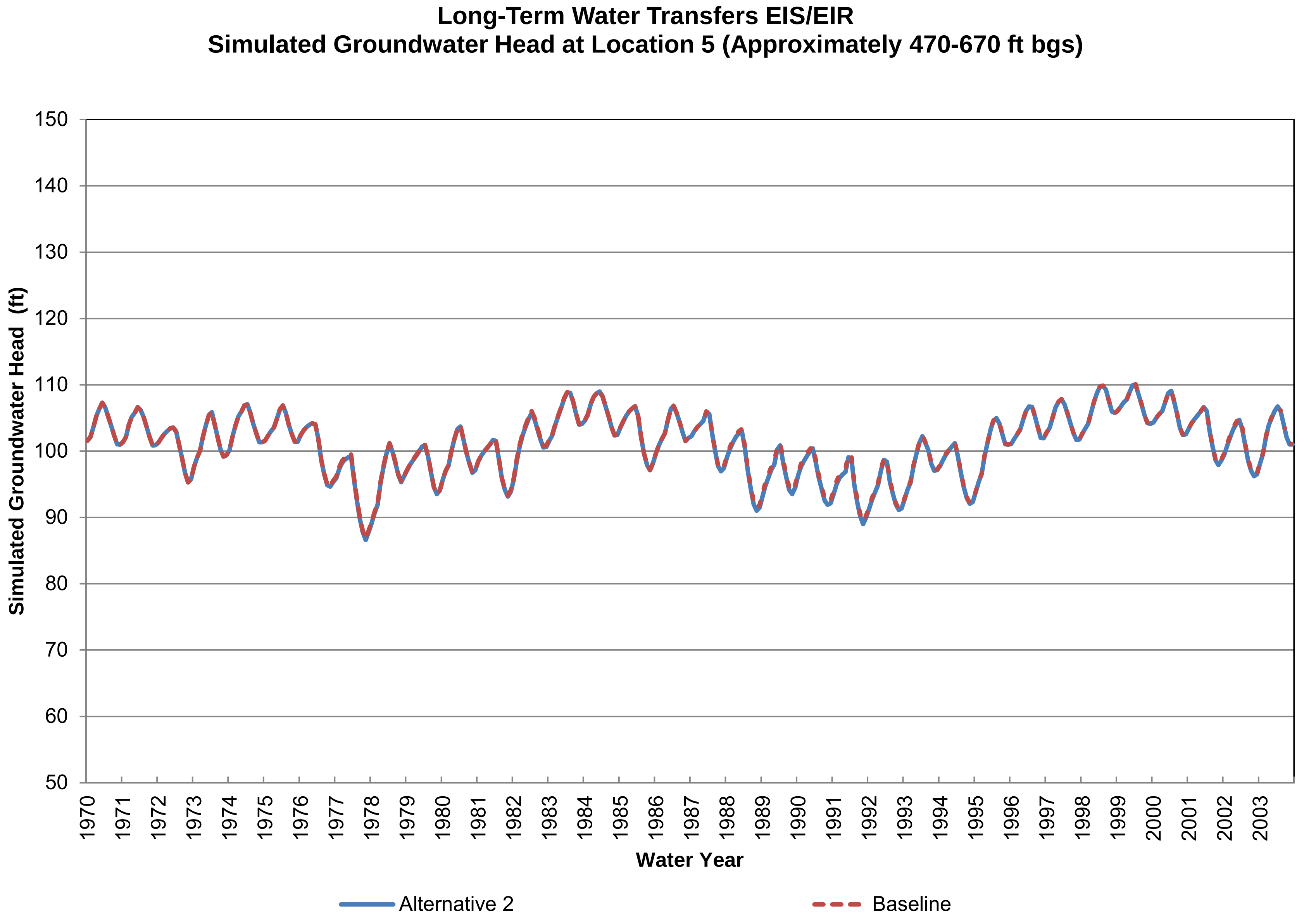
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 5 (Approximately 470-670 ft bgs)
150
140
130
120
110
100
90
80
70
60
50
Simulated Groundwater Head (ft)
1970
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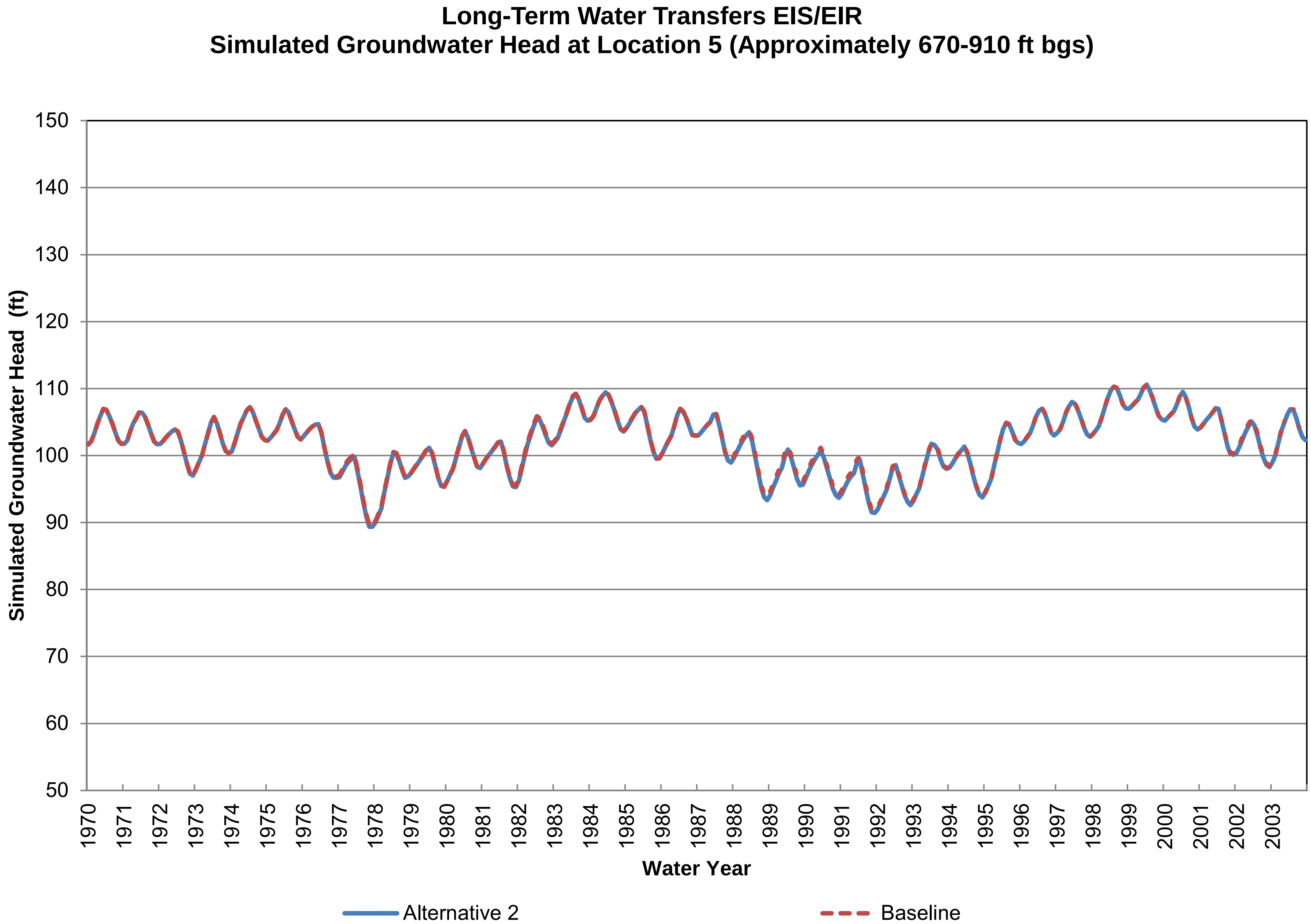
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 5 (Approximately 670-910 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
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1970
1971
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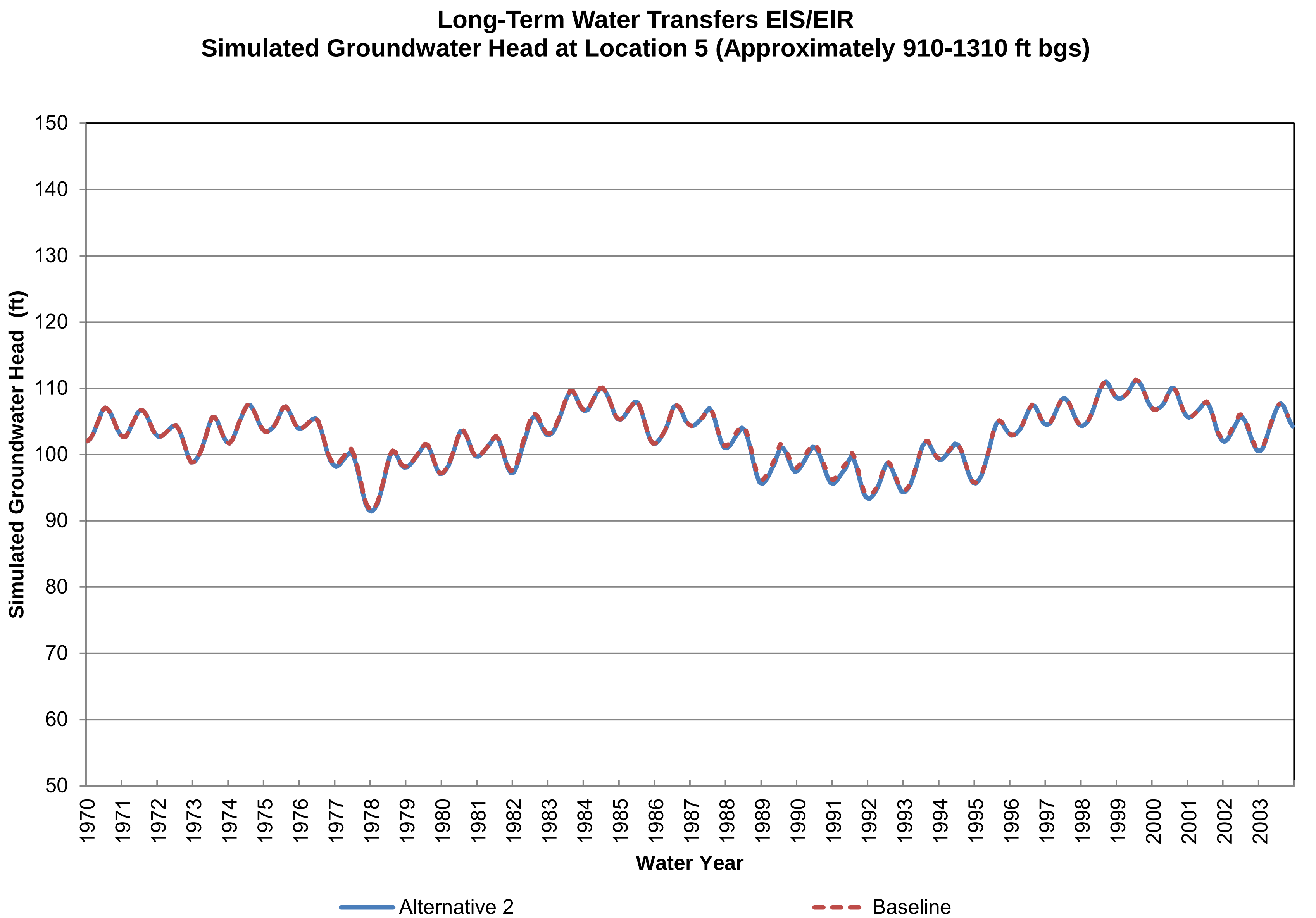
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 5 (Approximately 910-1310 ft bgs)
Simulated Groundwater Head (ft)
150
140
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110
100
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80
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1970
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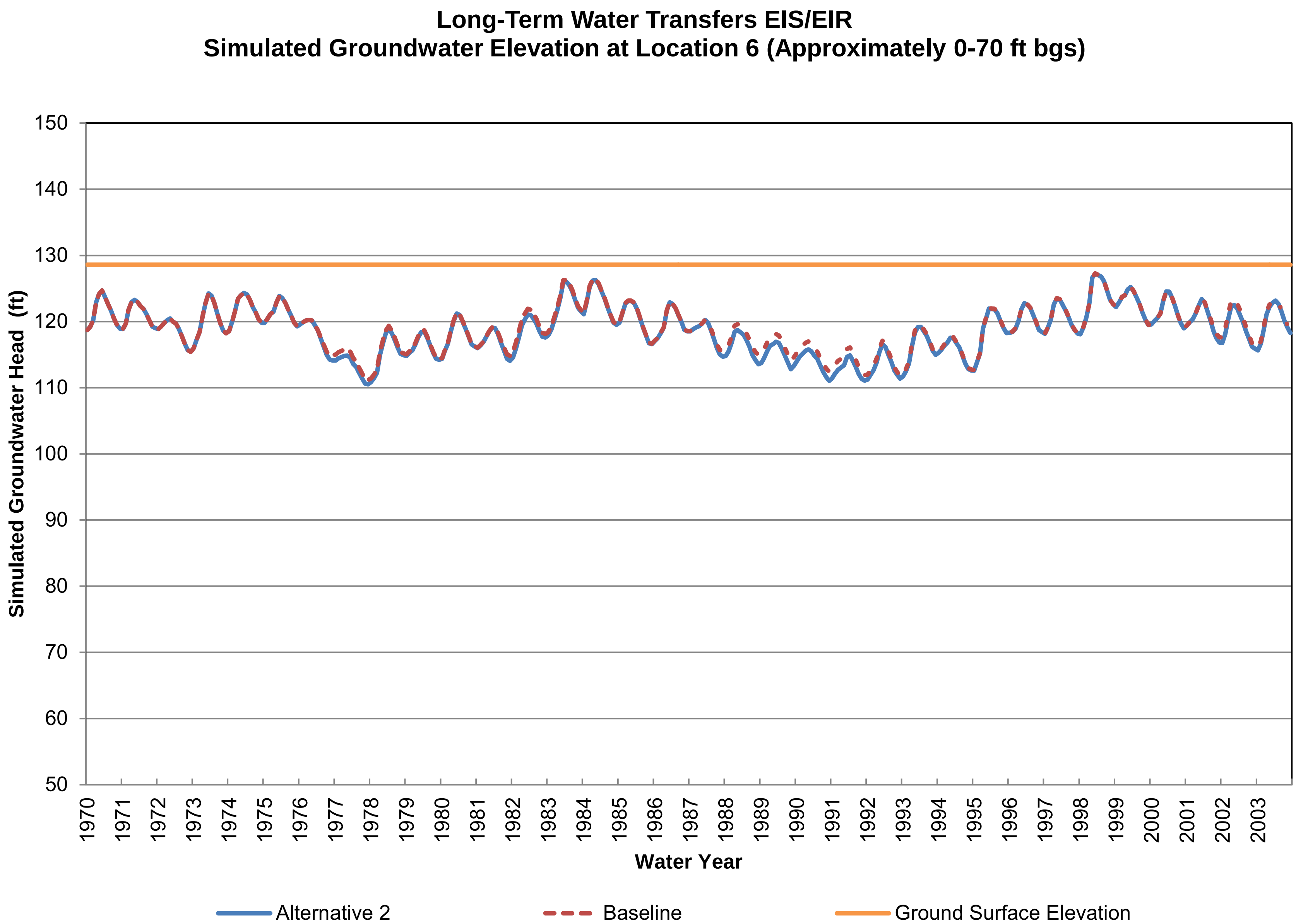
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 6 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
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110
100
90
80
70
60
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1970
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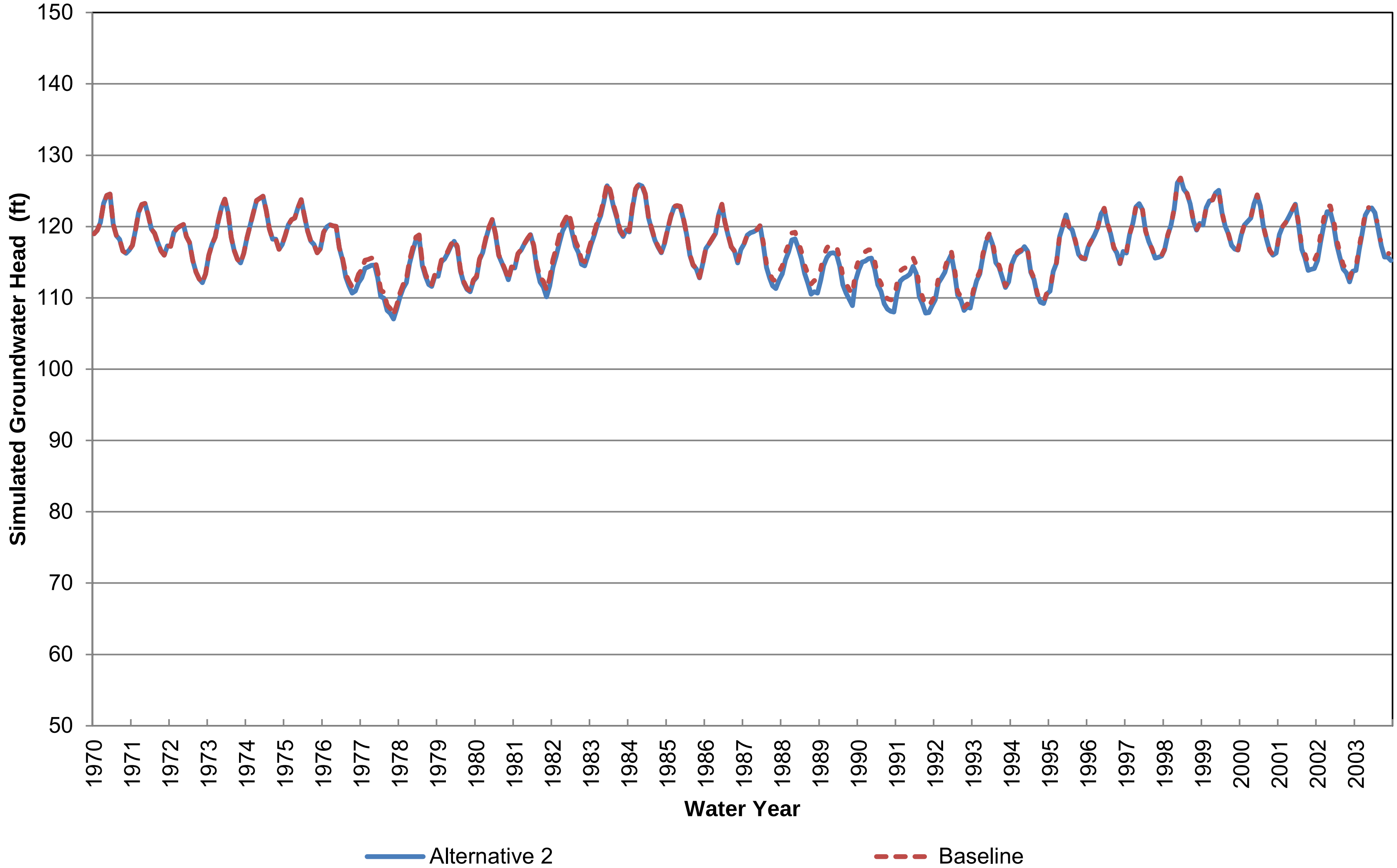
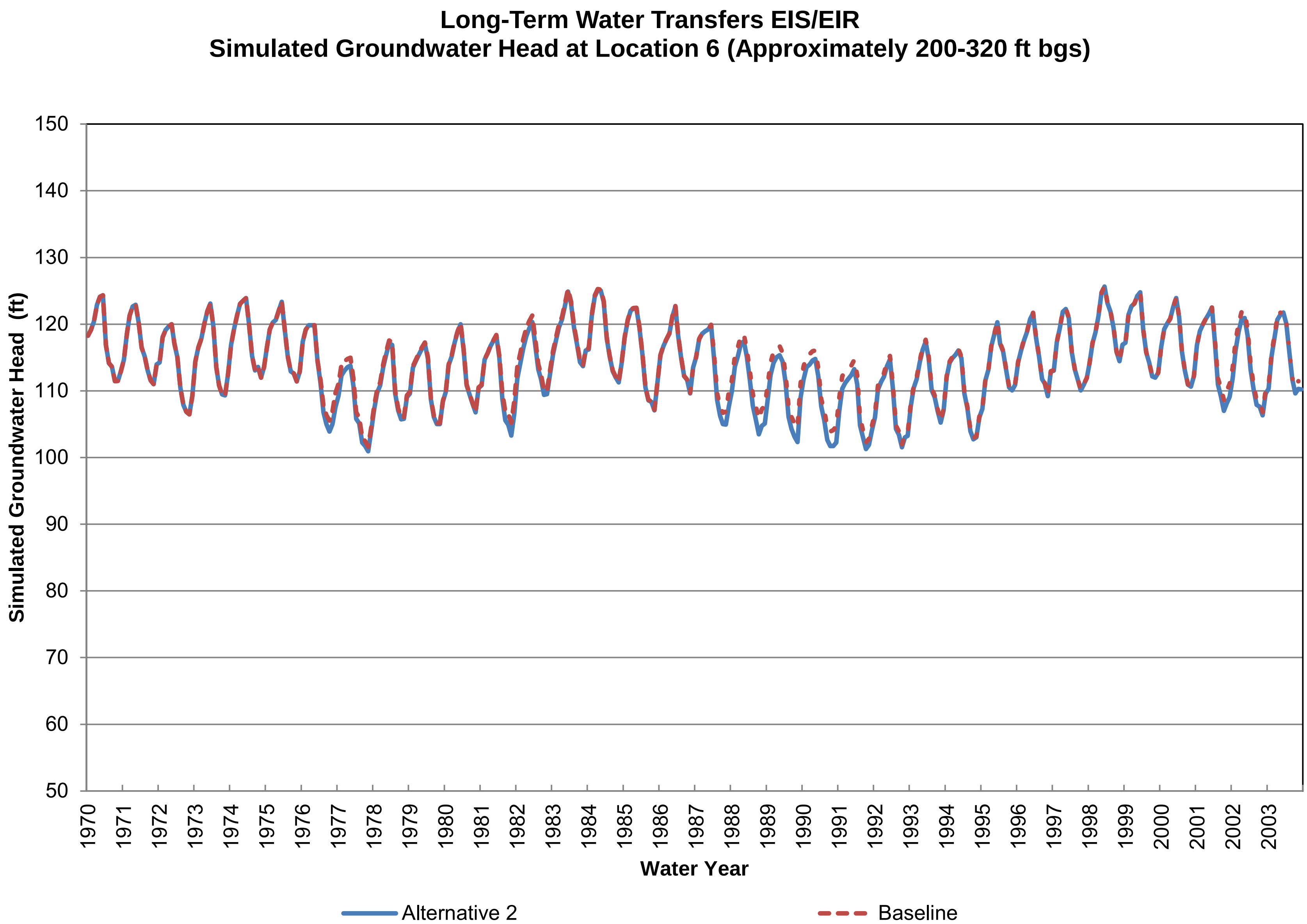
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 6 (Approximately 70-200 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 6 (Approximately 200-320 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
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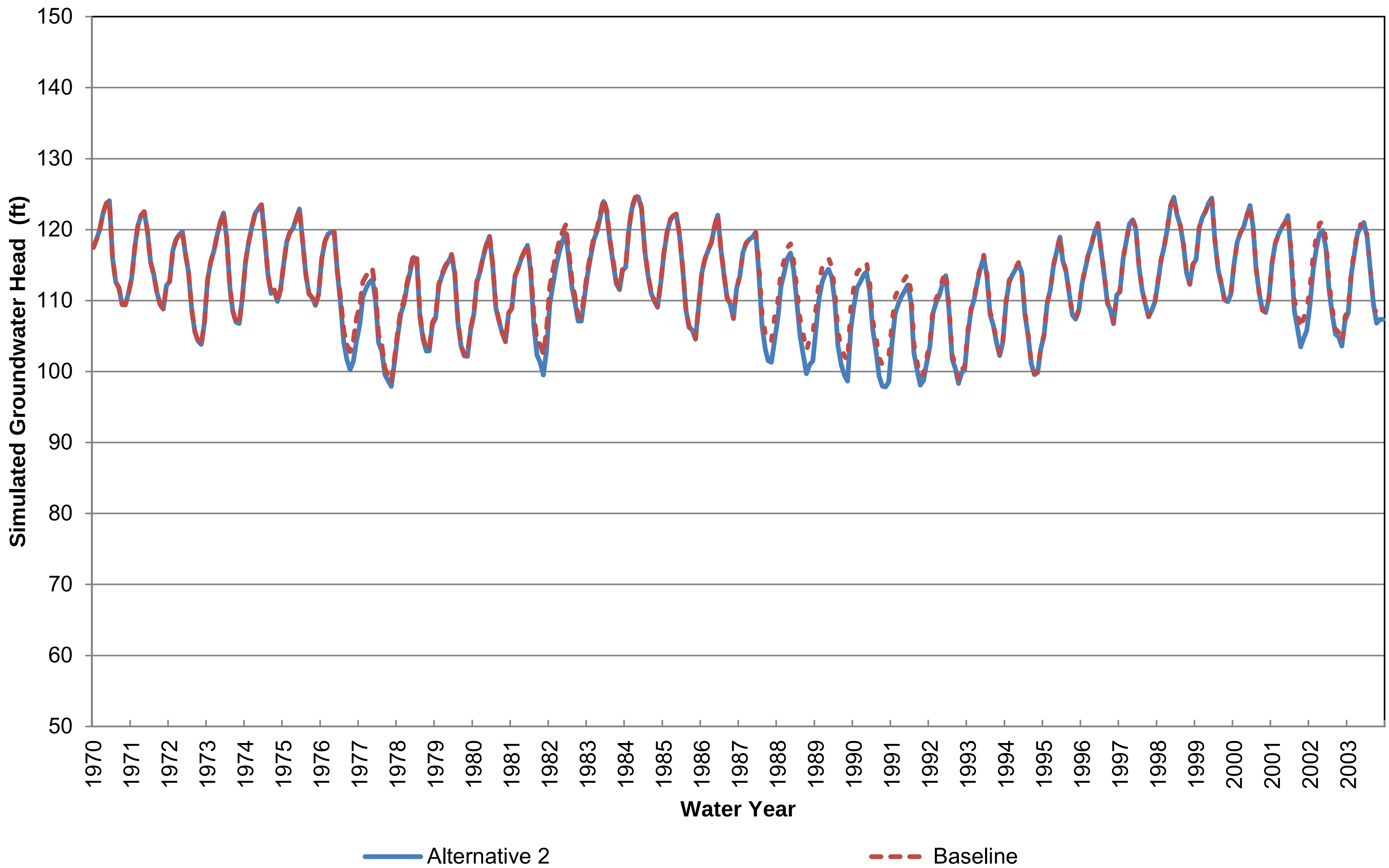
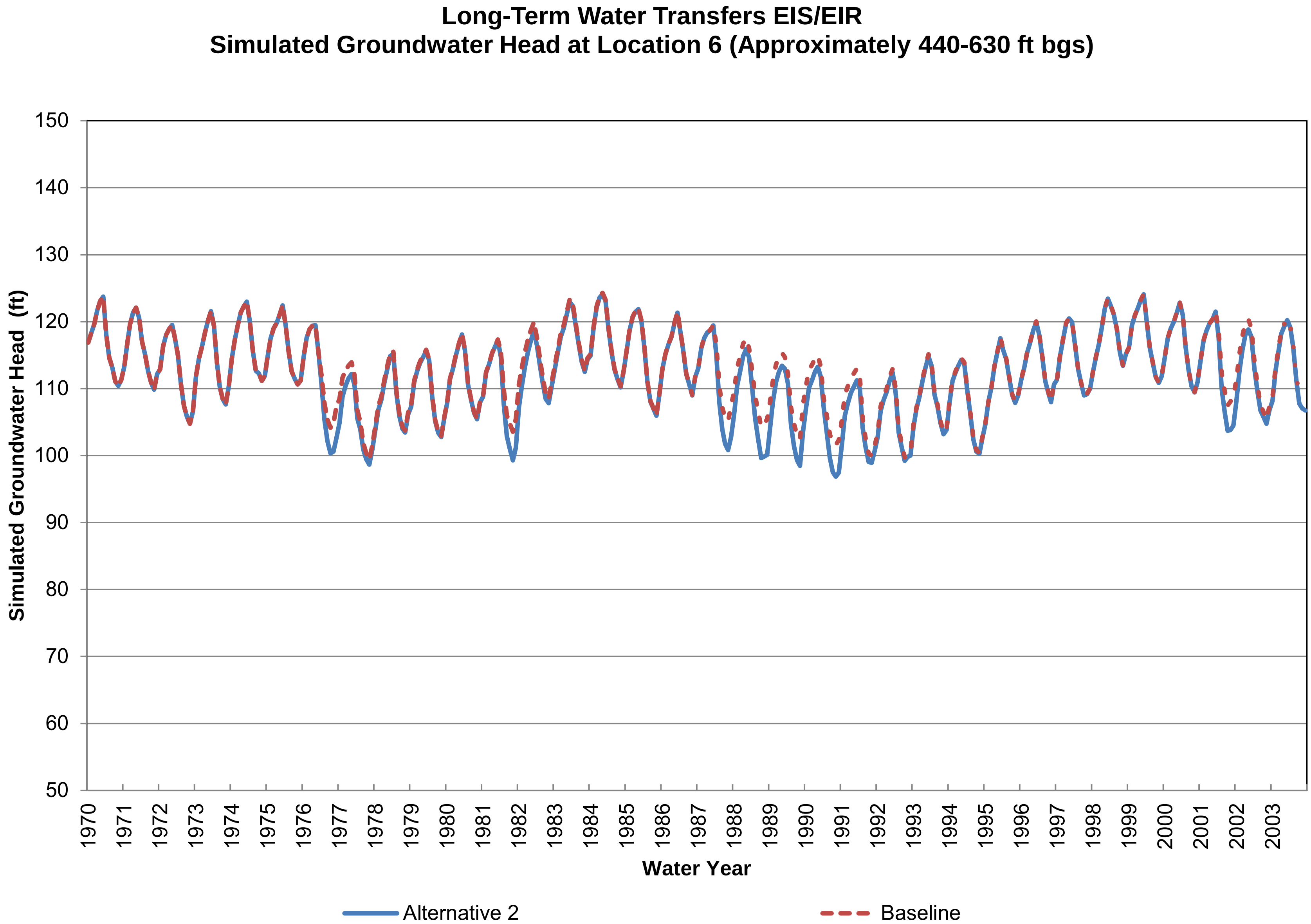
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 6 (Approximately 320-440 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 6 (Approximately 440-630 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
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1970
1971
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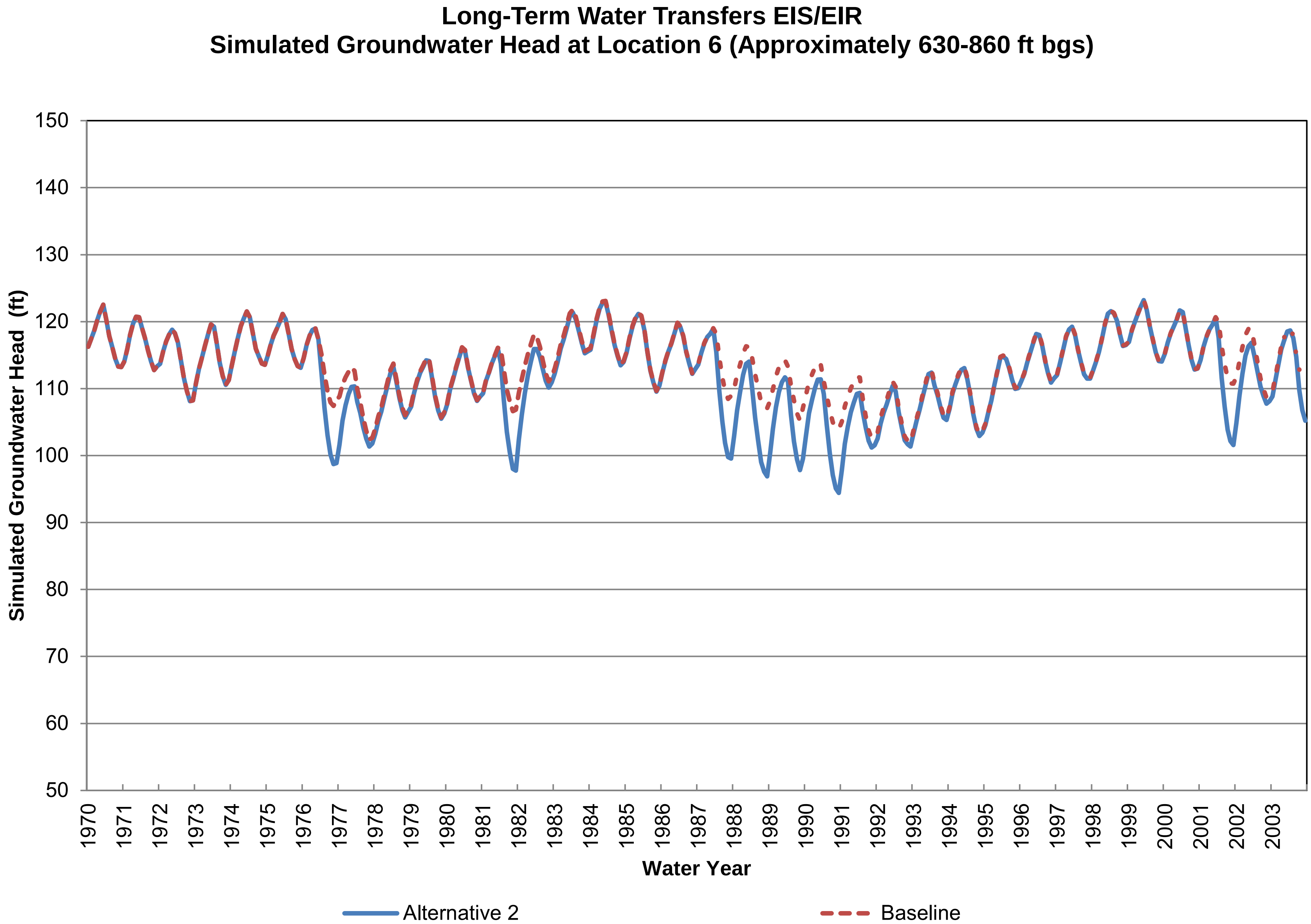
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 6 (Approximately 630-860 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
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1998
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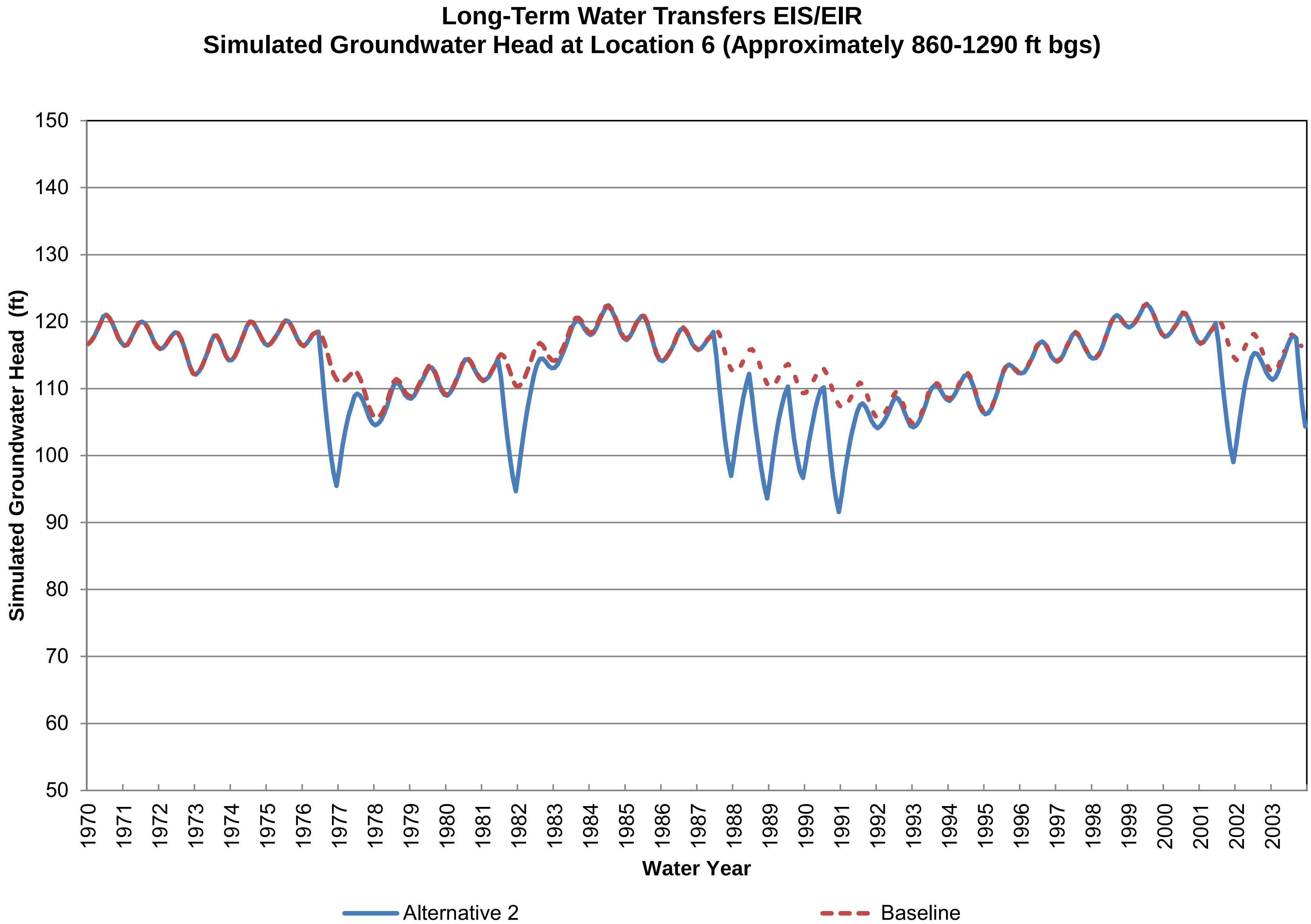
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 6 (Approximately 860-1290 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
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1998
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2000
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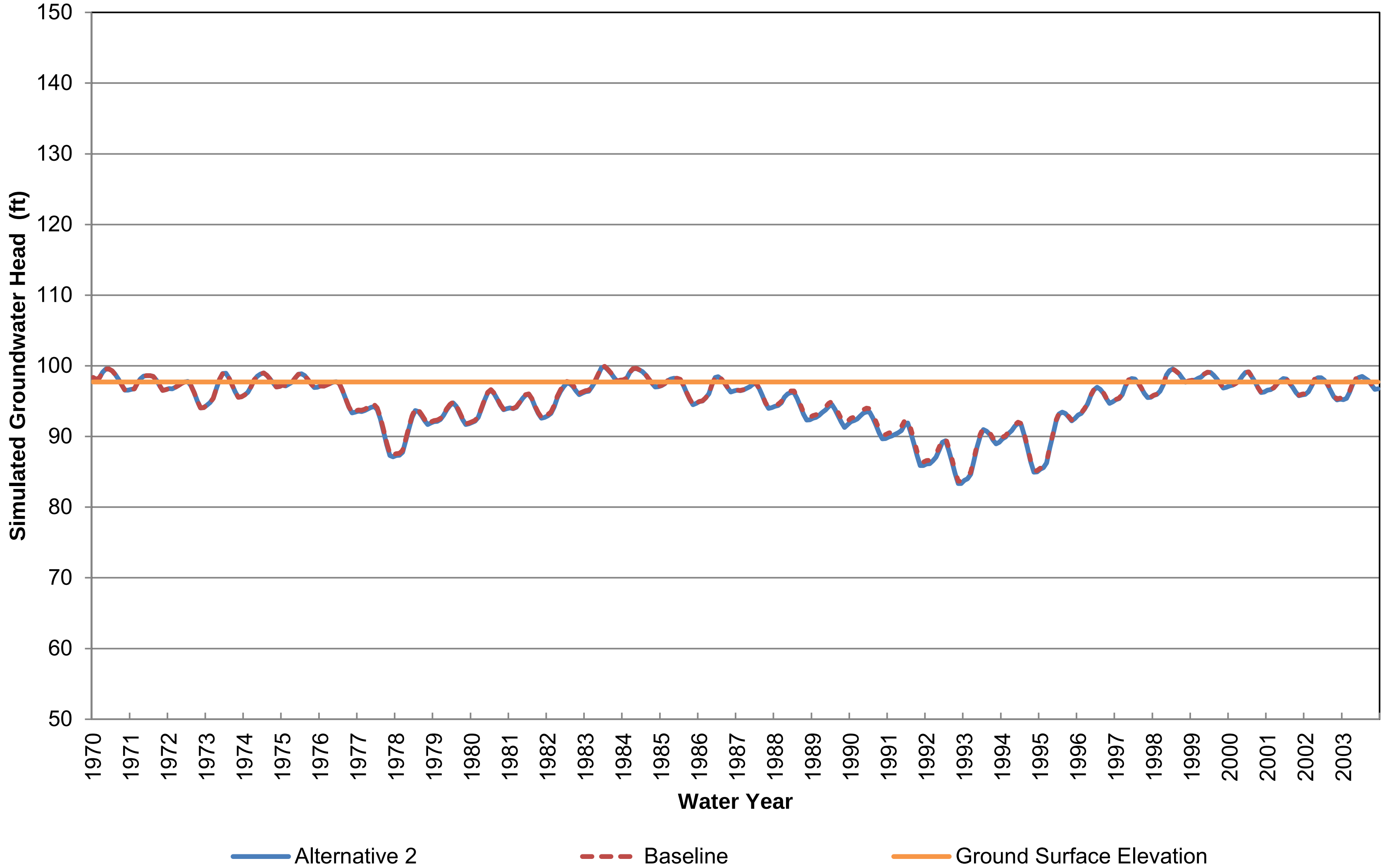
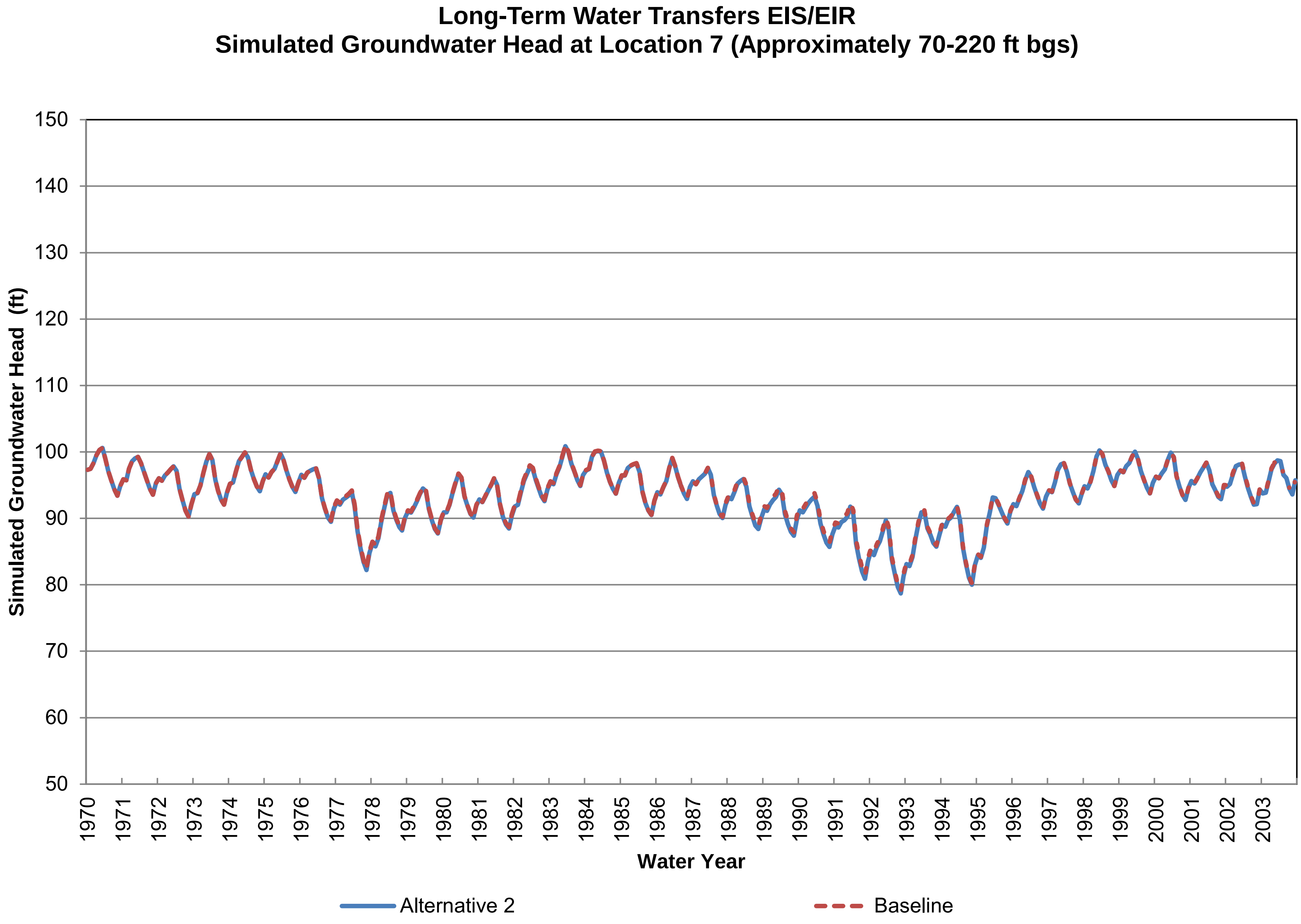
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 7 (Approximately 0-70 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 7 (Approximately 70-220 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
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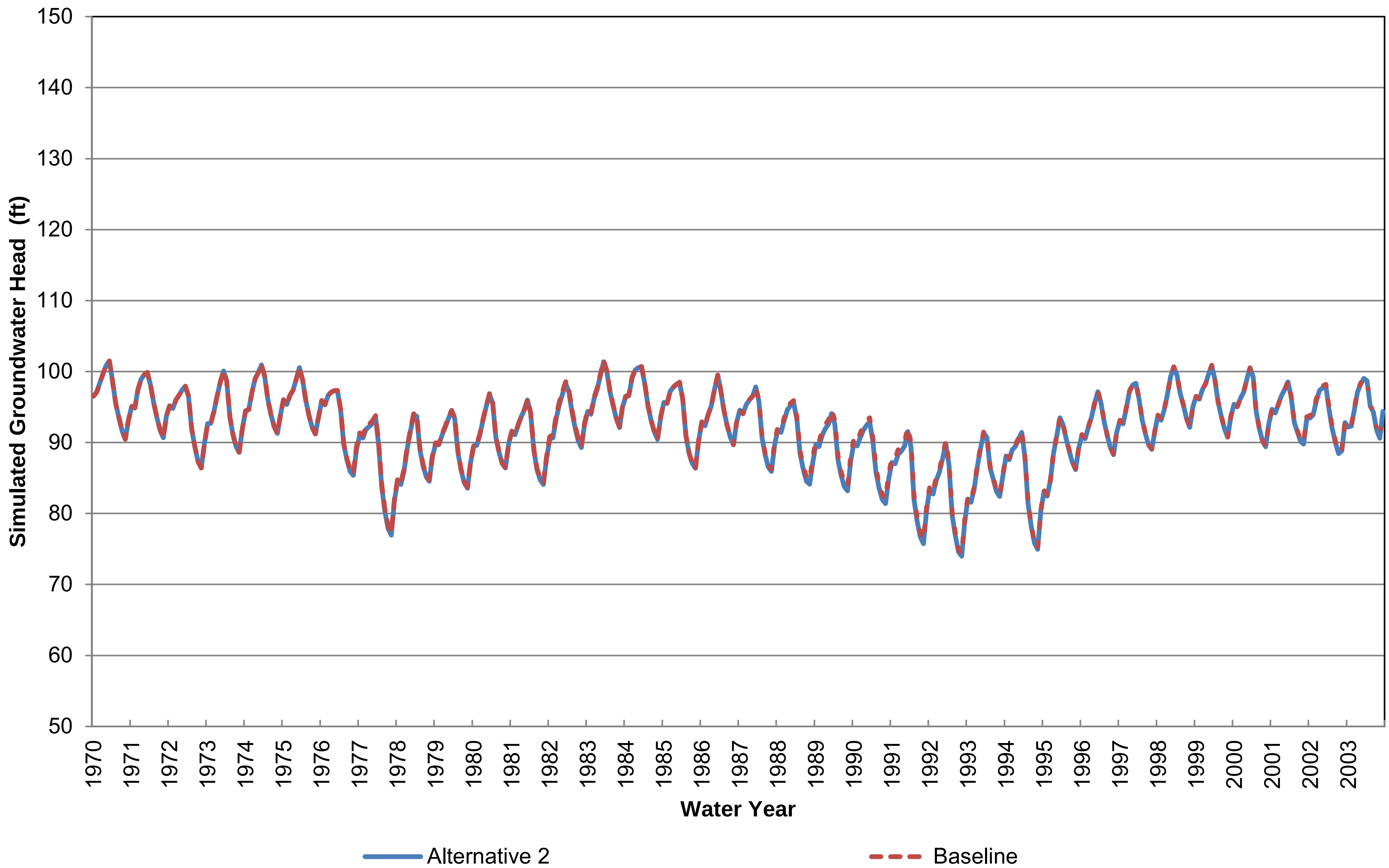
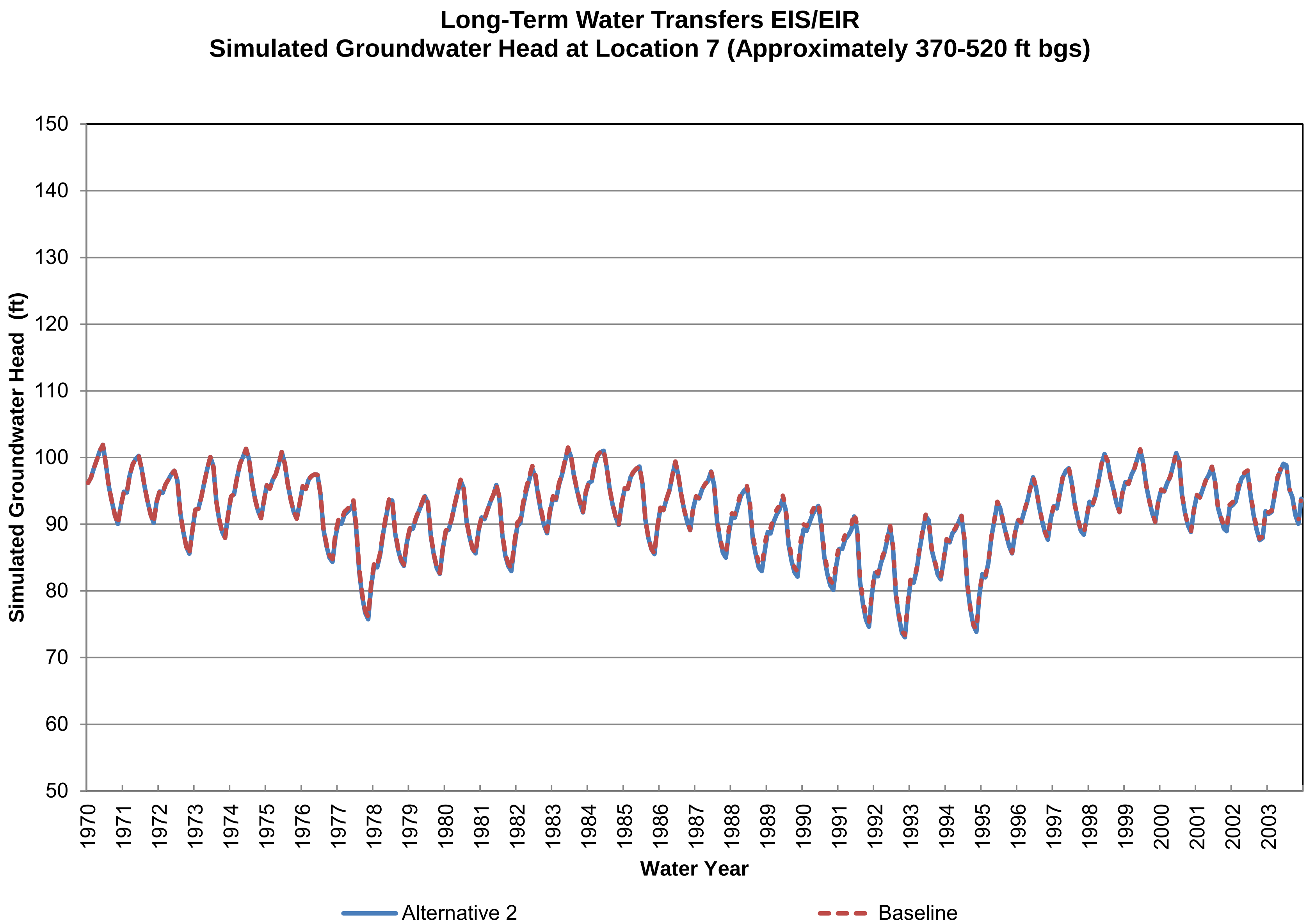
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 7 (Approximately 220-370 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 7 (Approximately 370-520 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
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1975
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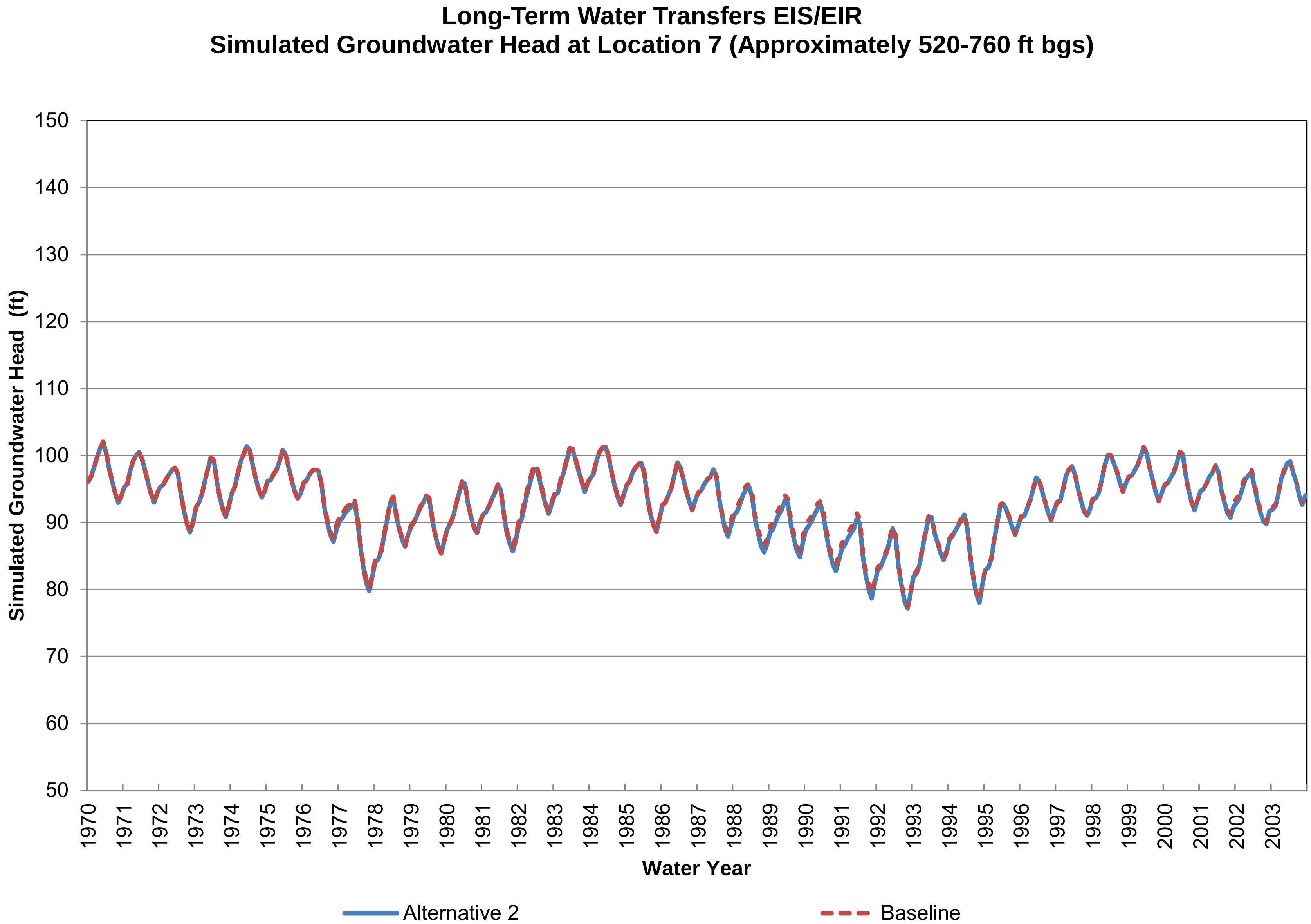
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 7 (Approximately 520-760 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
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1970
1971
1972
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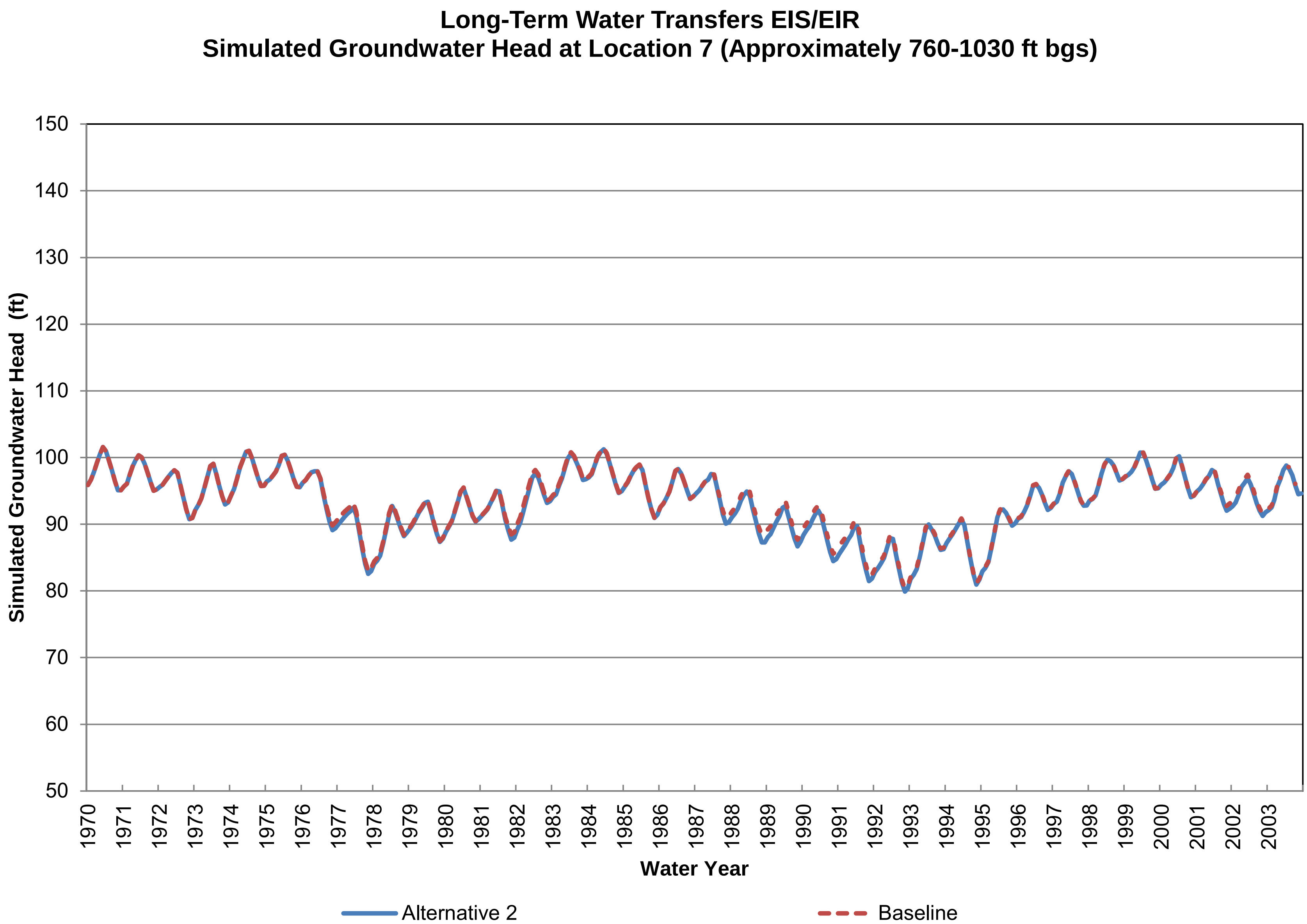
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 7 (Approximately 760-1030 ft bgs)
150
140
130
120
110
100
90
80
70
60
50
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
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1978
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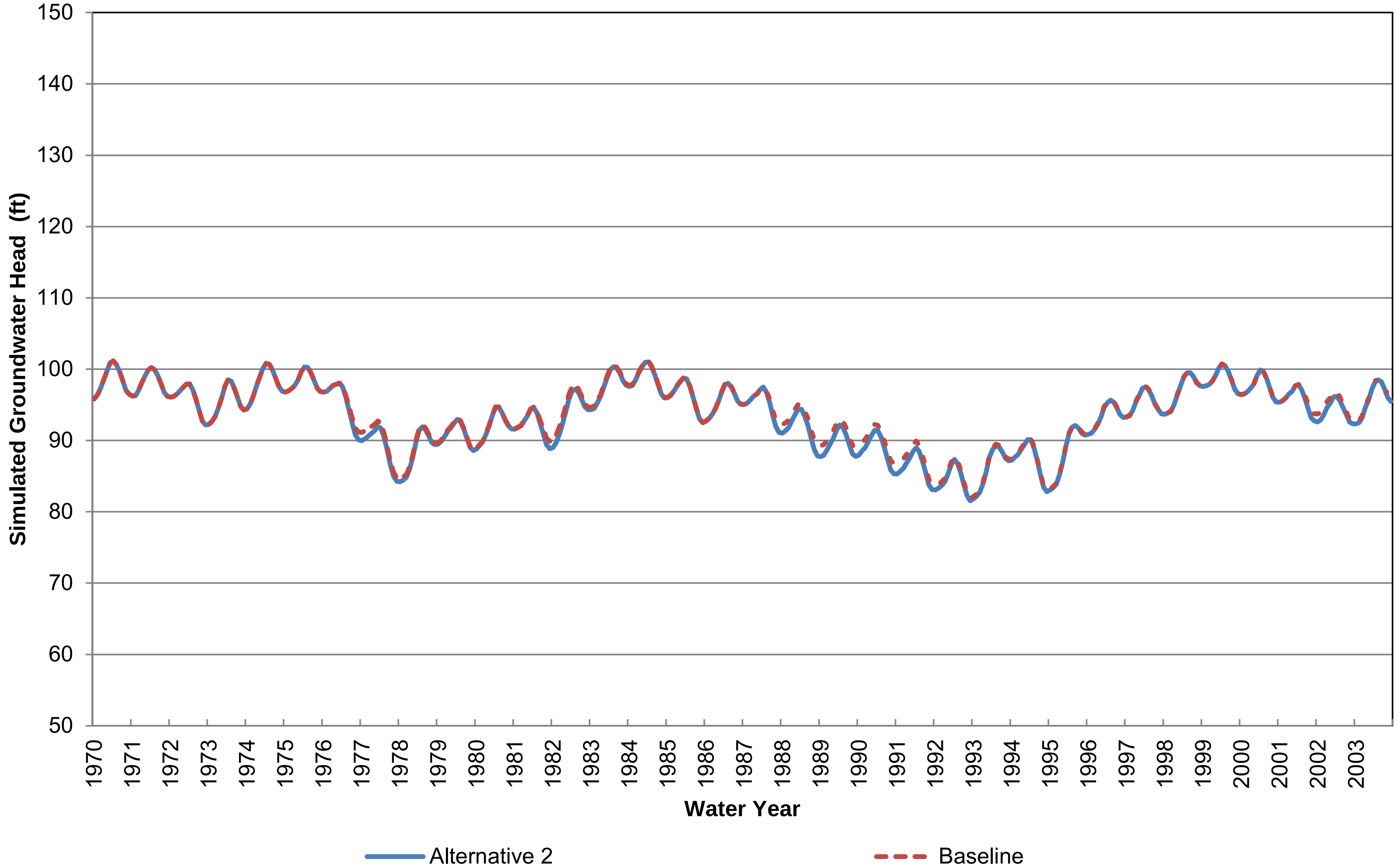
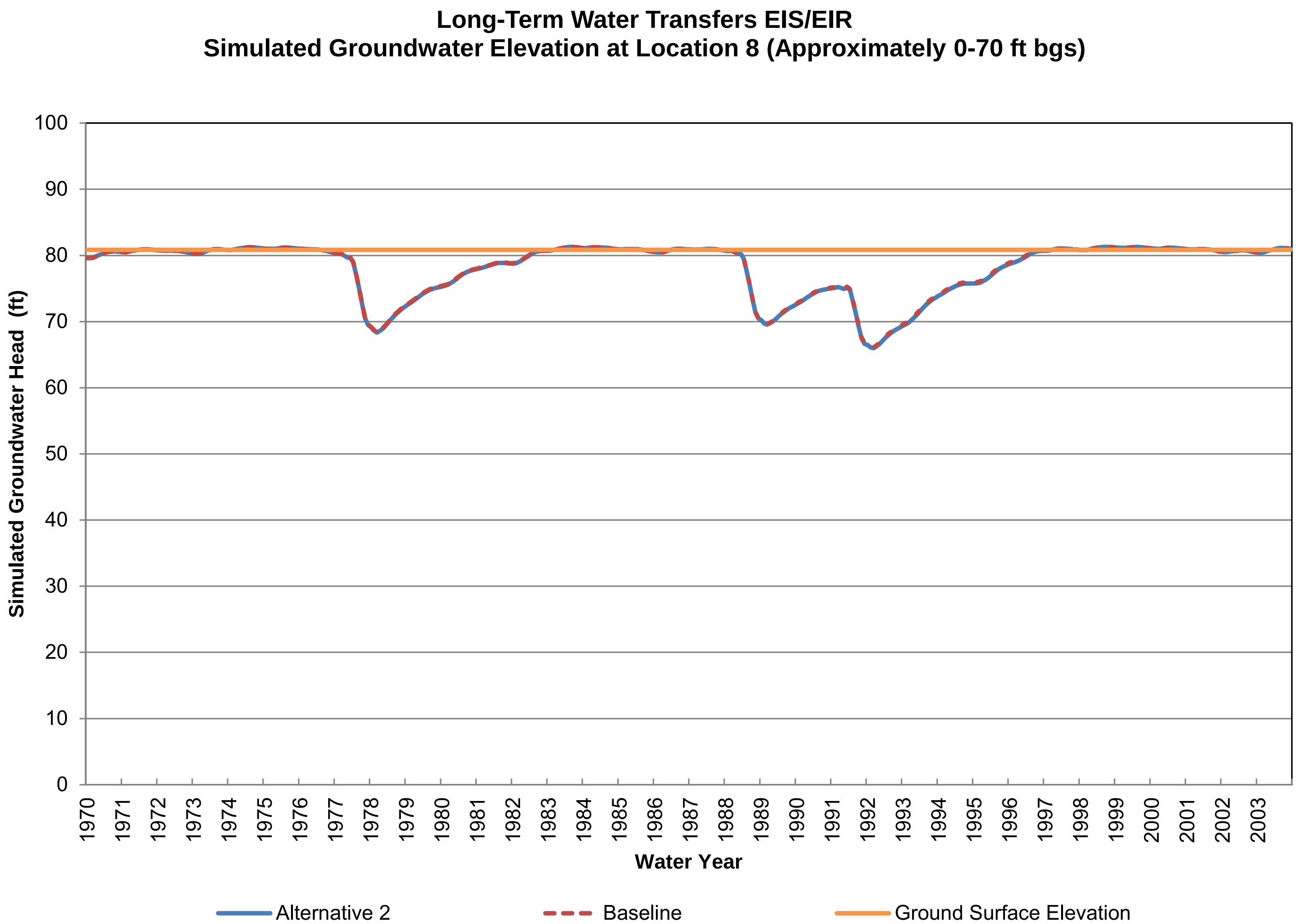
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 7 (Approximately 1030-1520 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 8 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
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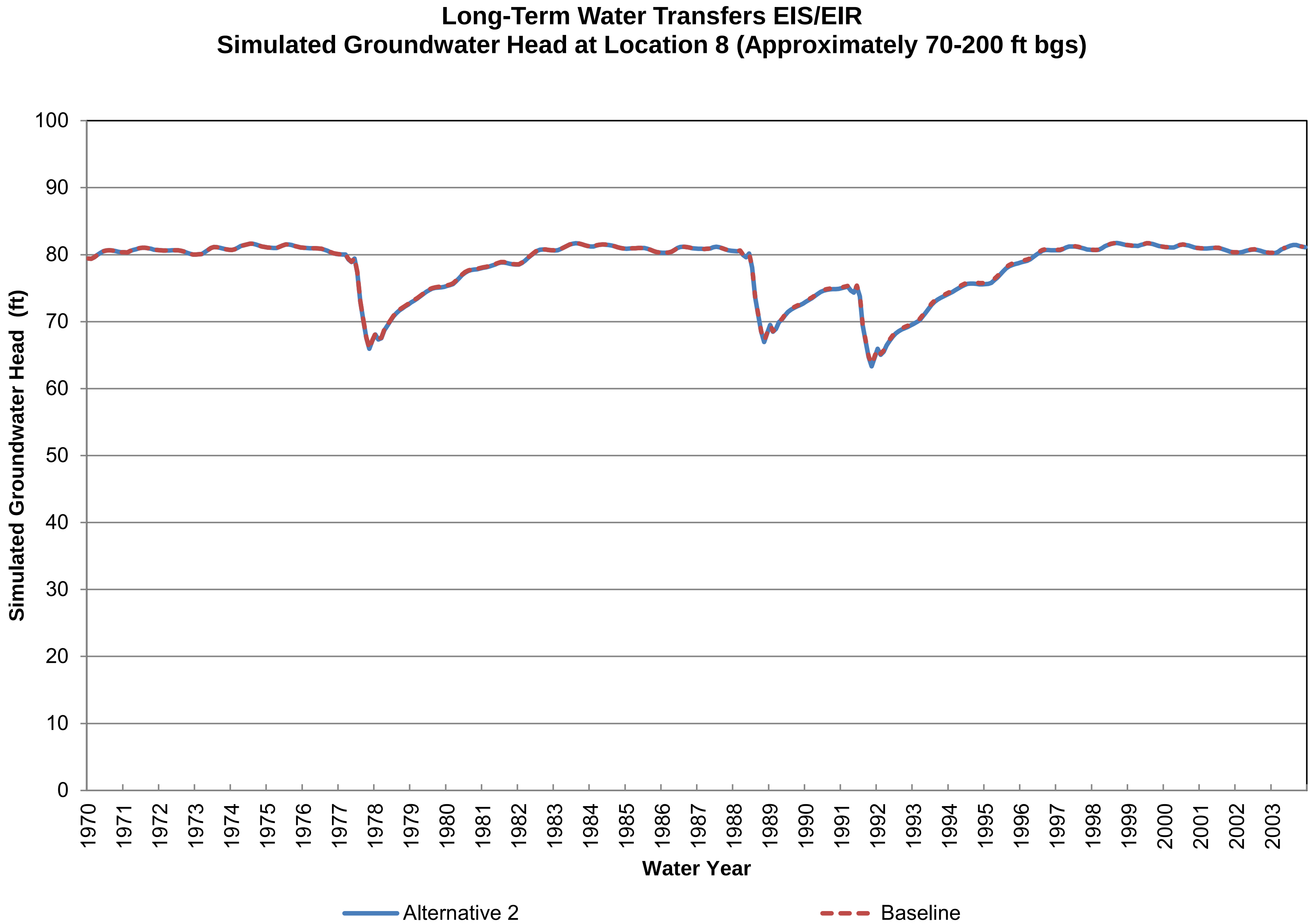
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 8 (Approximately 70-200 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
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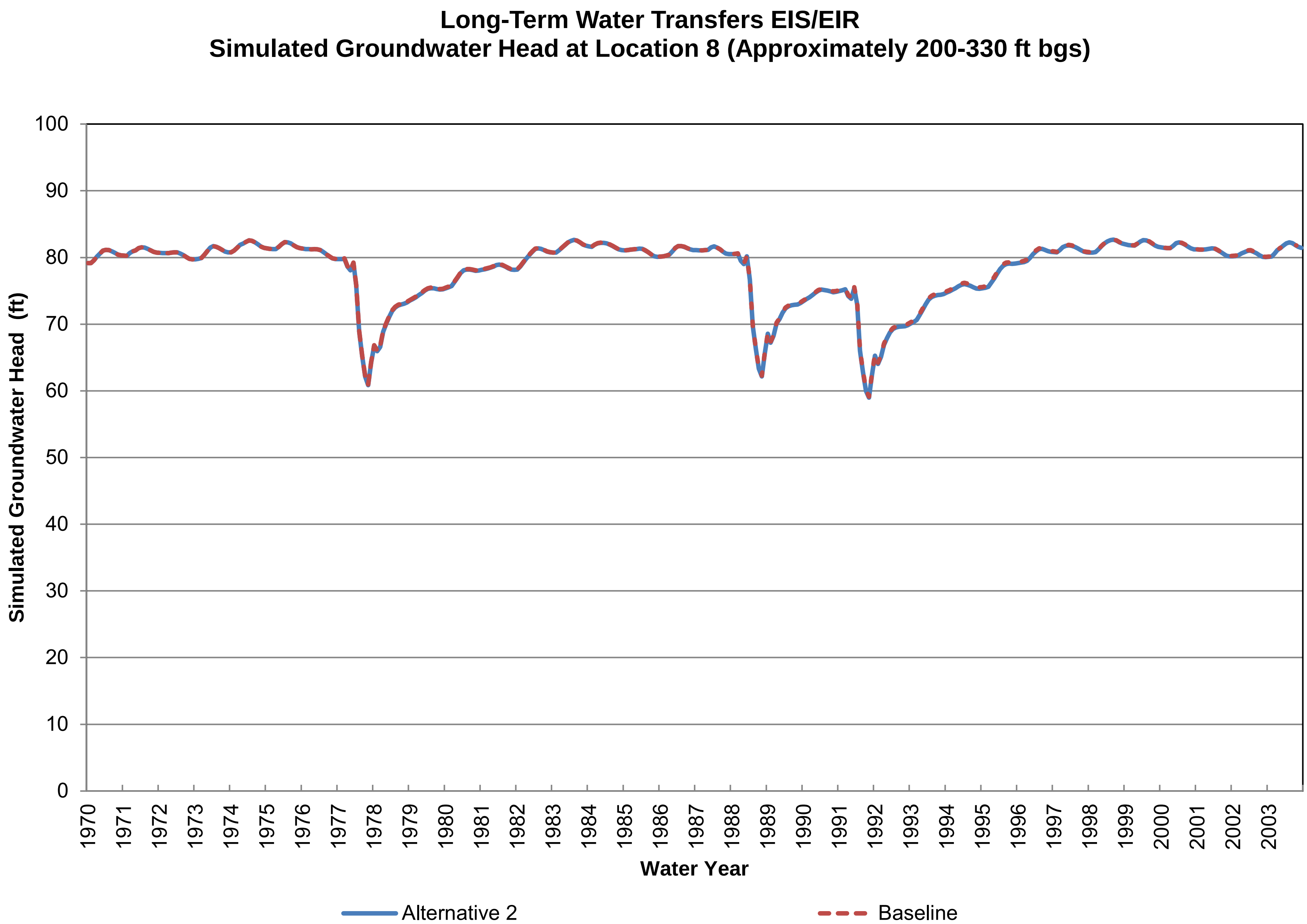
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 8 (Approximately 200-330 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
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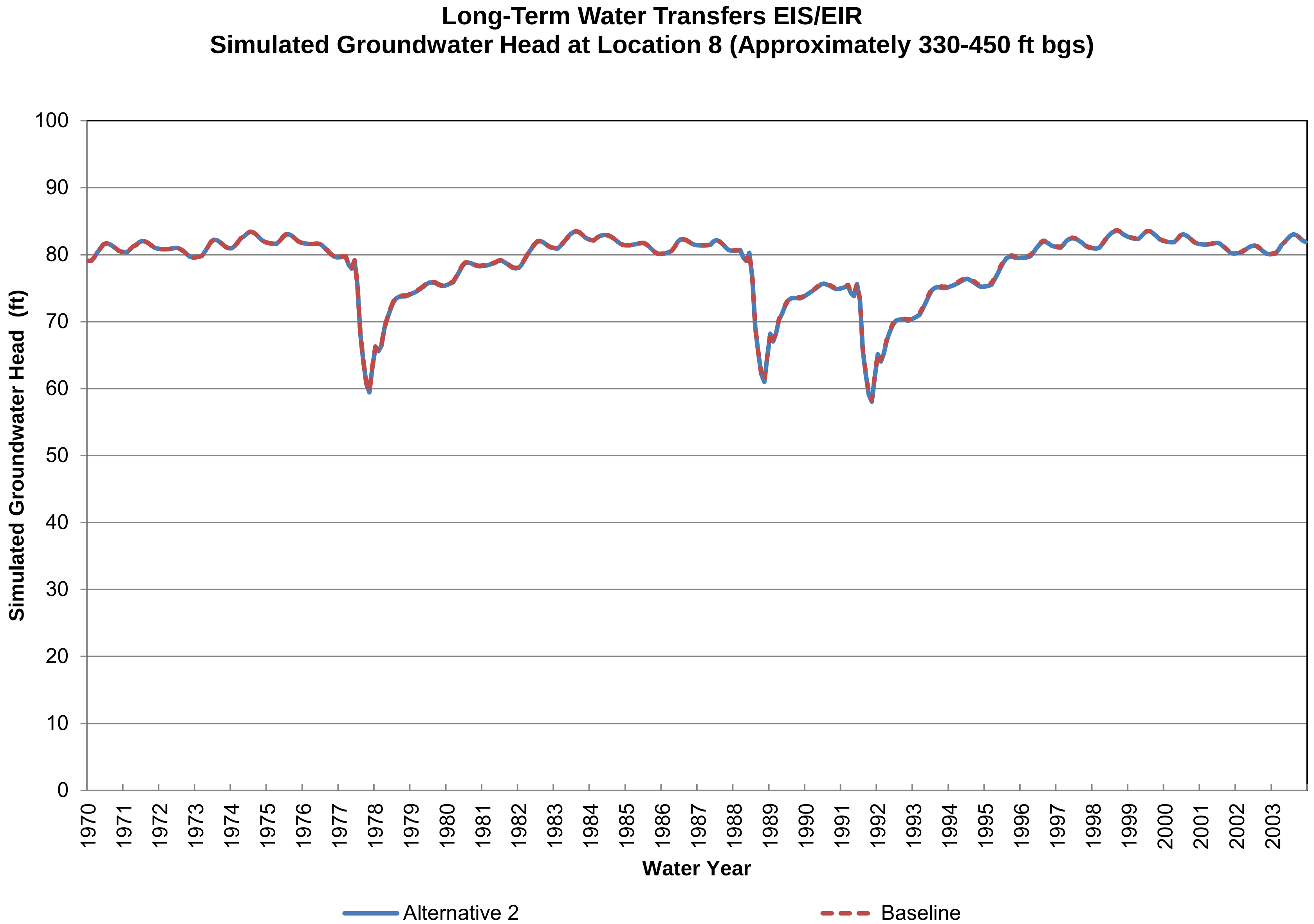
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 8 (Approximately 330-450 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
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1979
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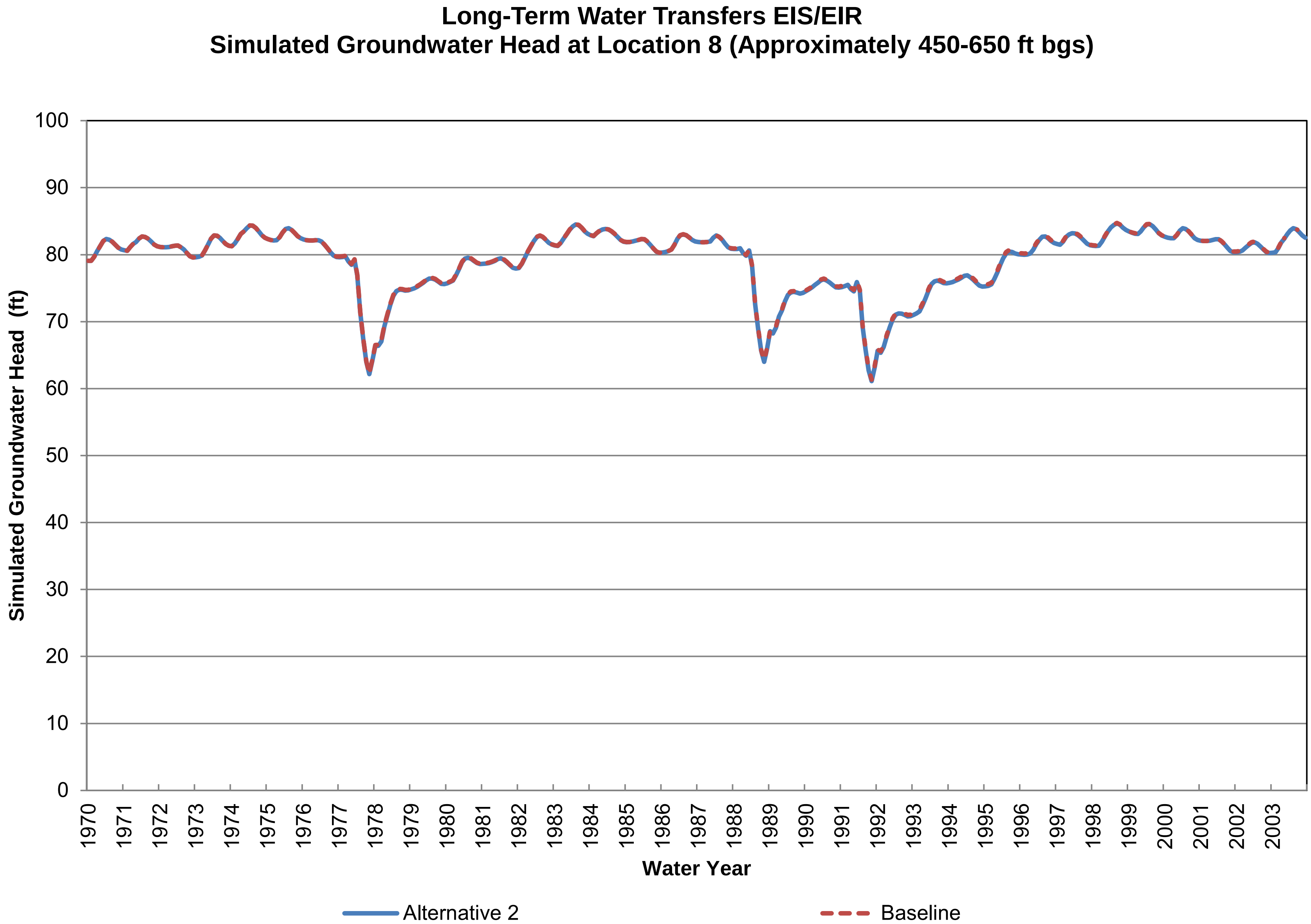
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 8 (Approximately 450-650 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
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1995
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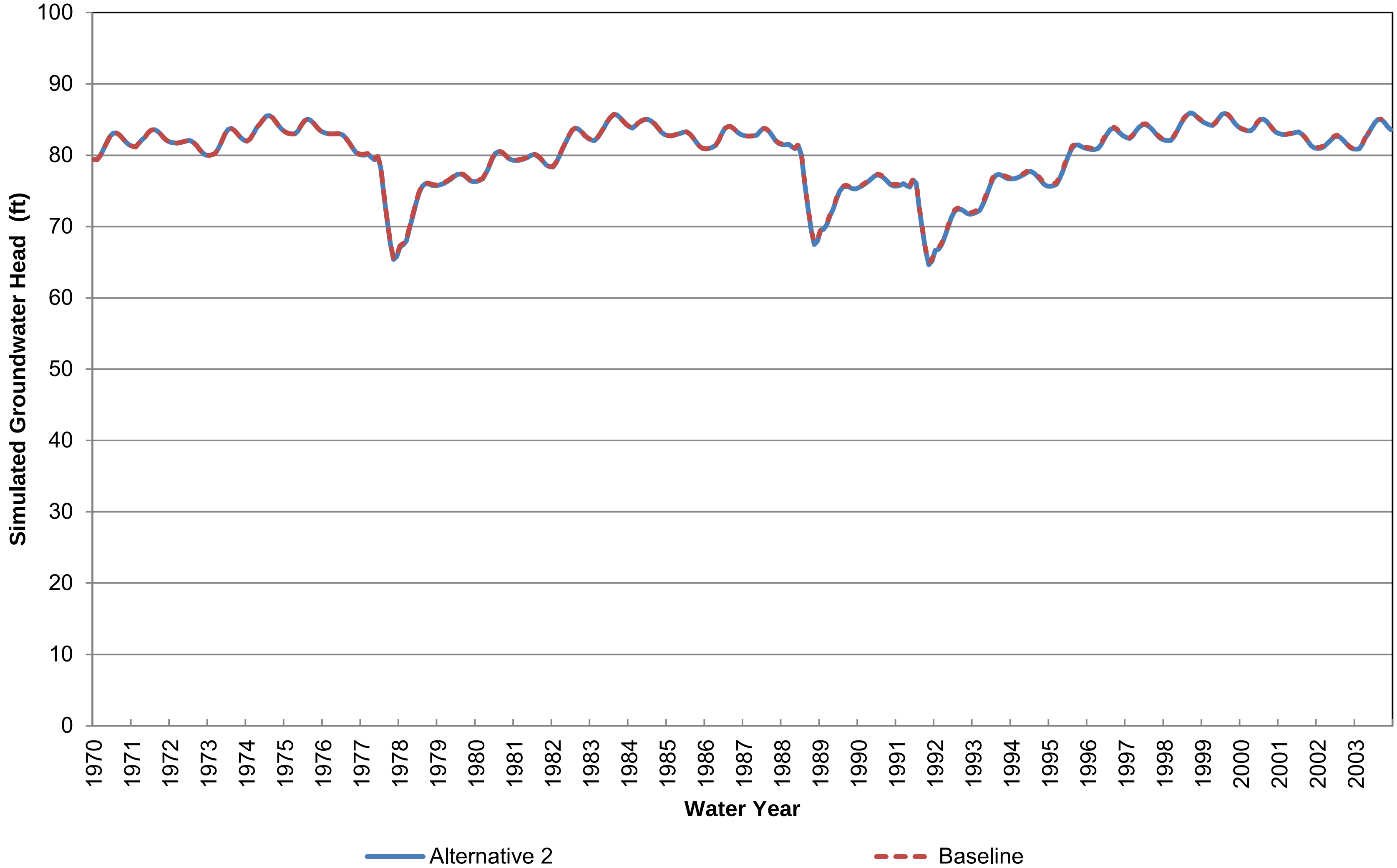
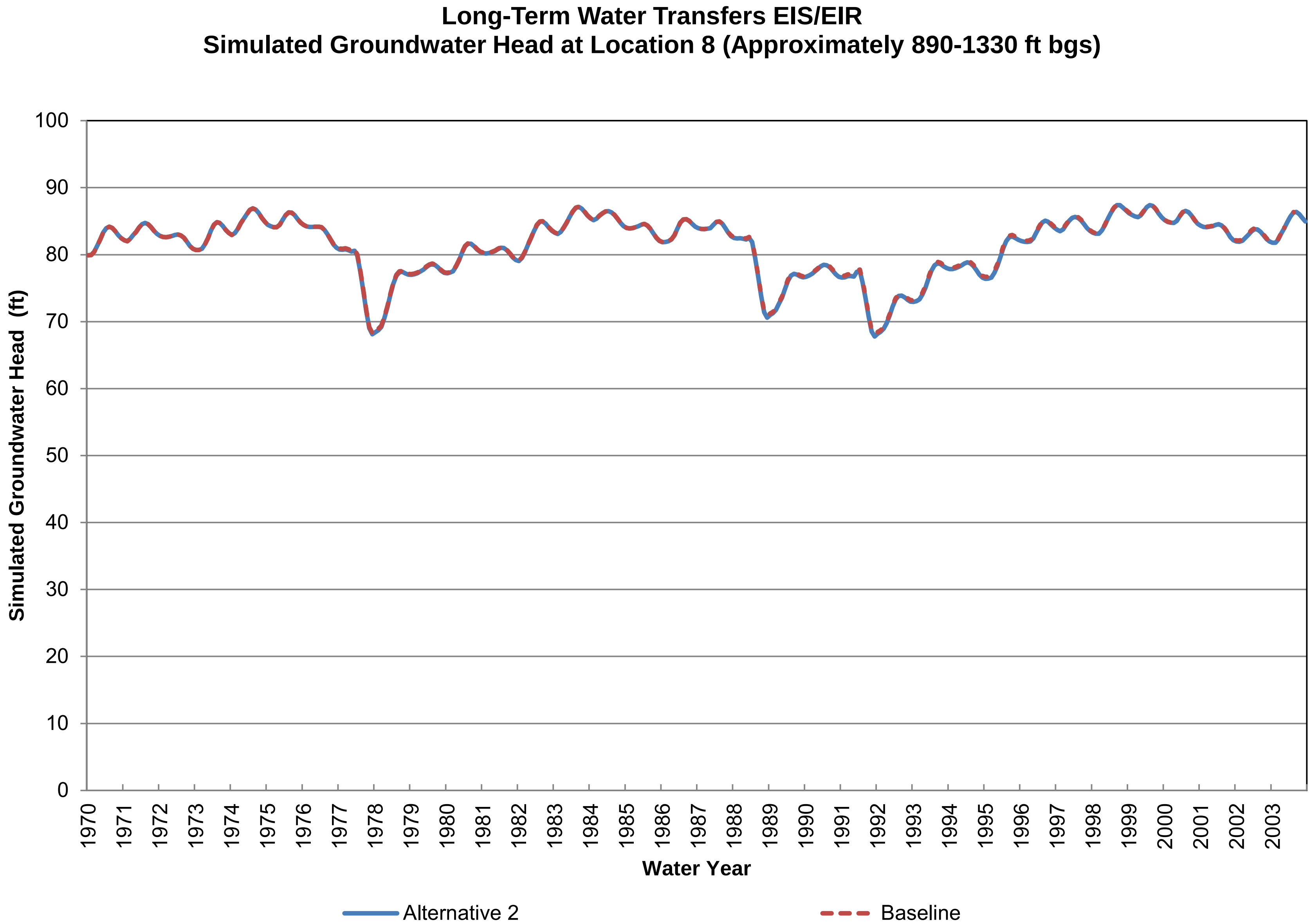
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 8 (Approximately 650-890 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 8 (Approximately 890-1330 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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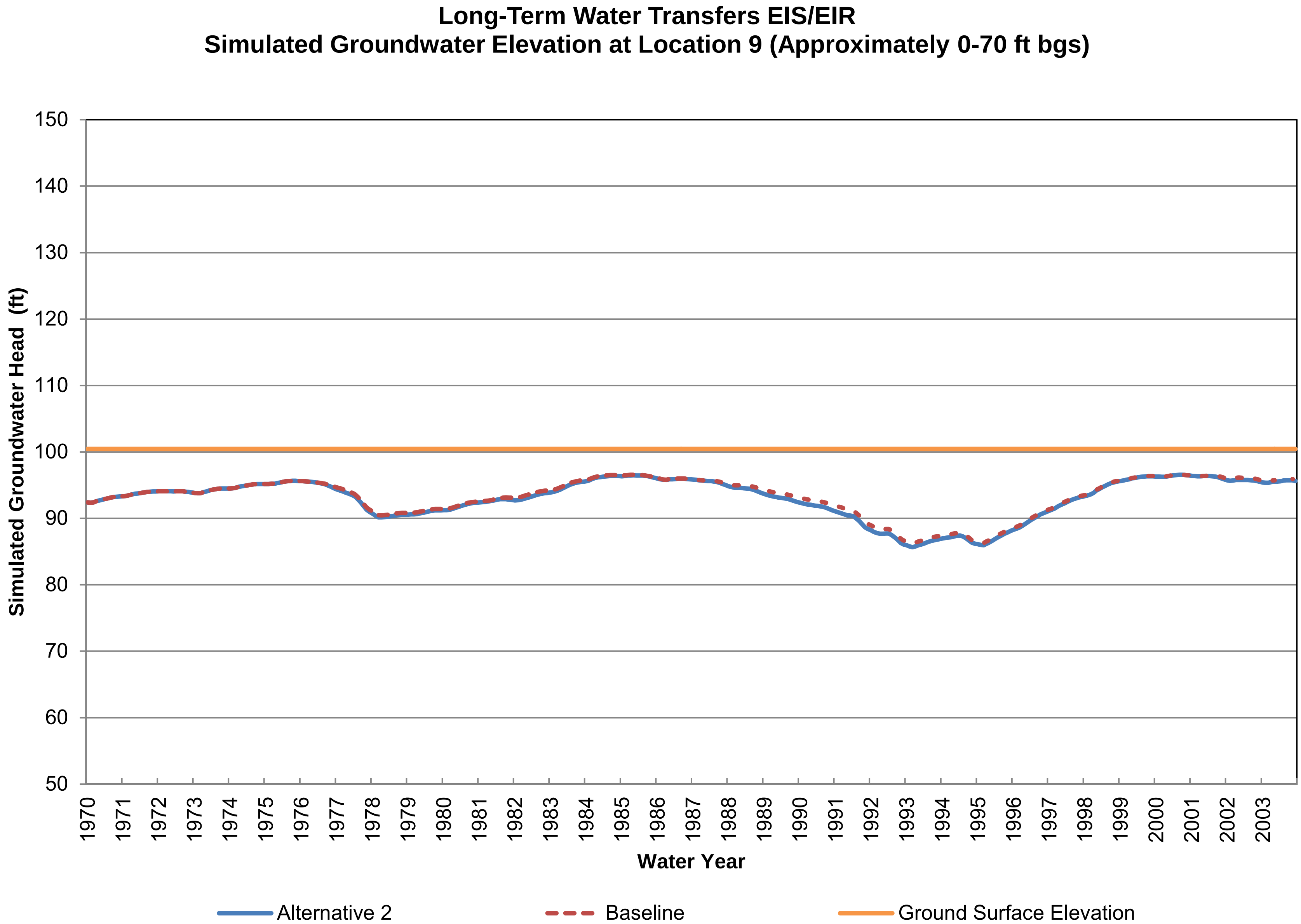
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 9 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
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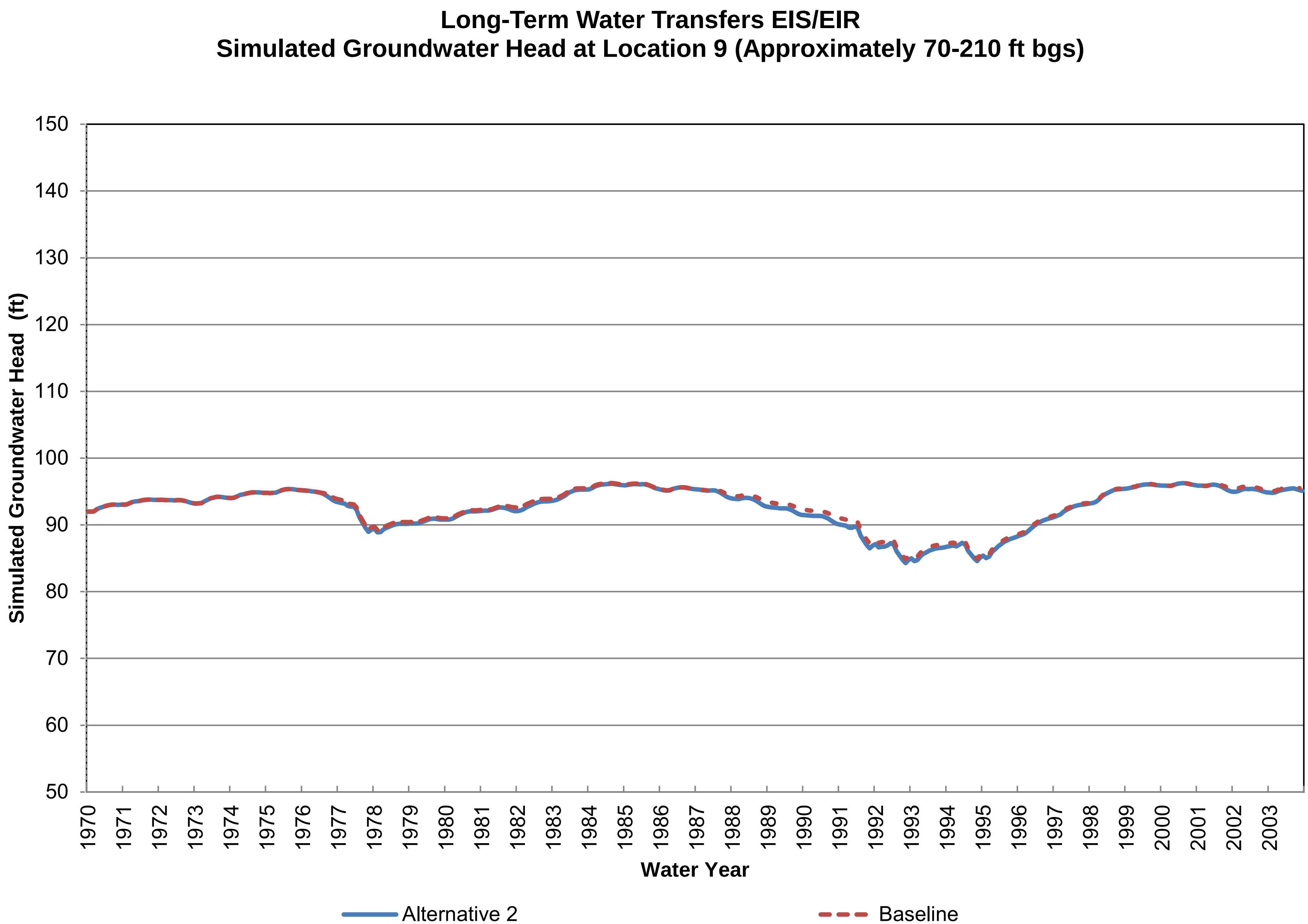
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 9 (Approximately 70-210 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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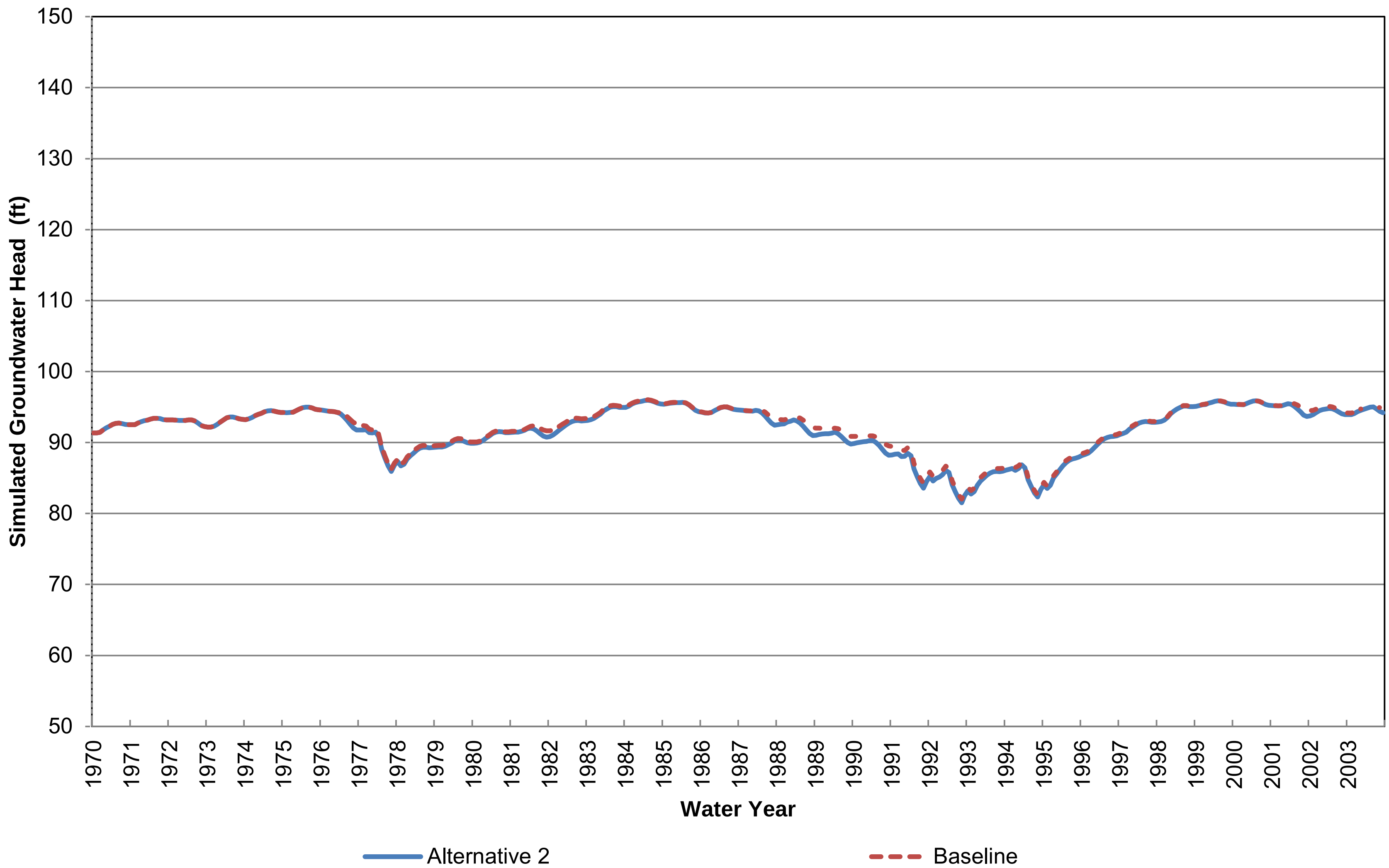
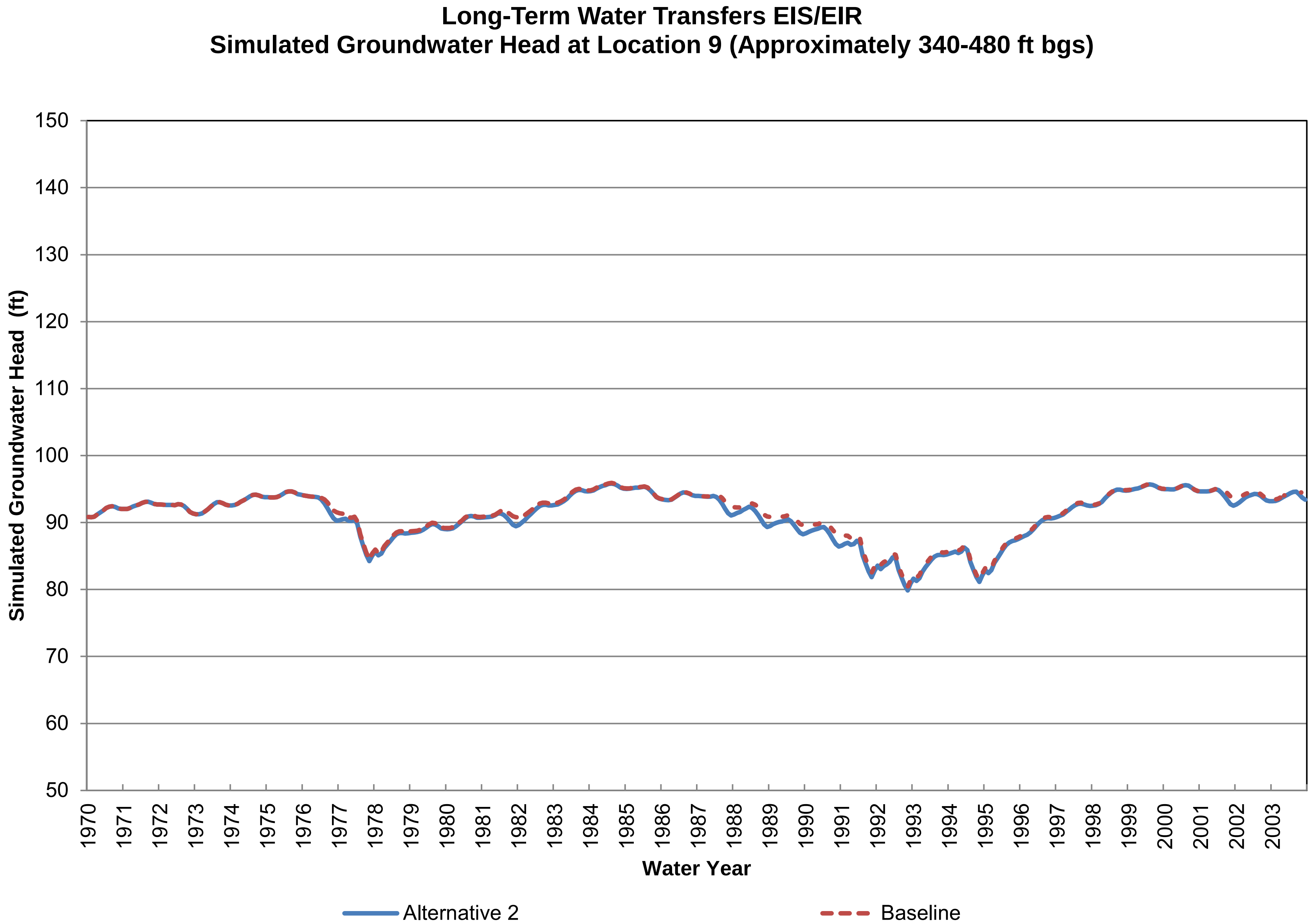
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 9 (Approximately 210-340 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 9 (Approximately 340-480 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1992
1993
1994
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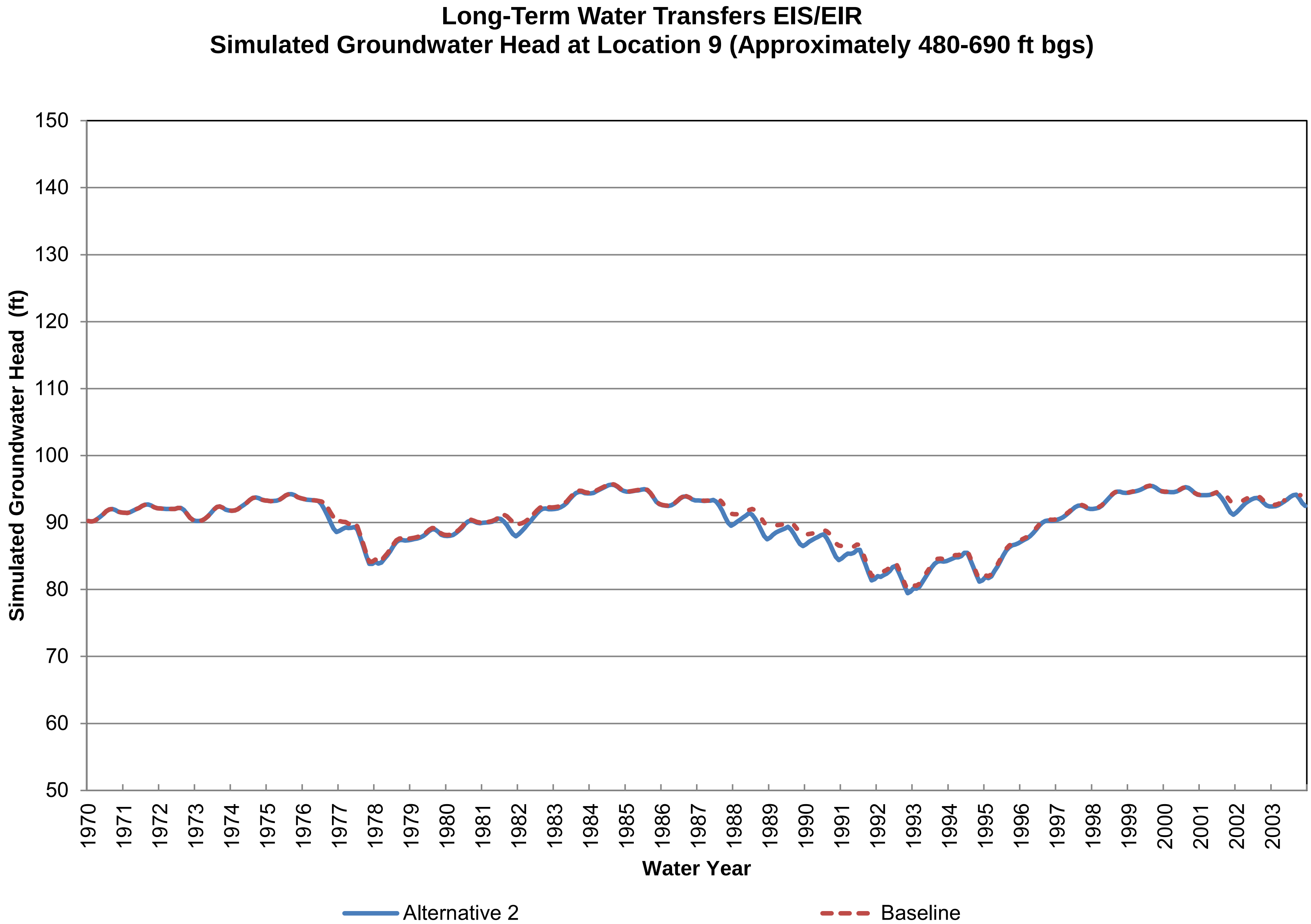
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 9 (Approximately 480-690 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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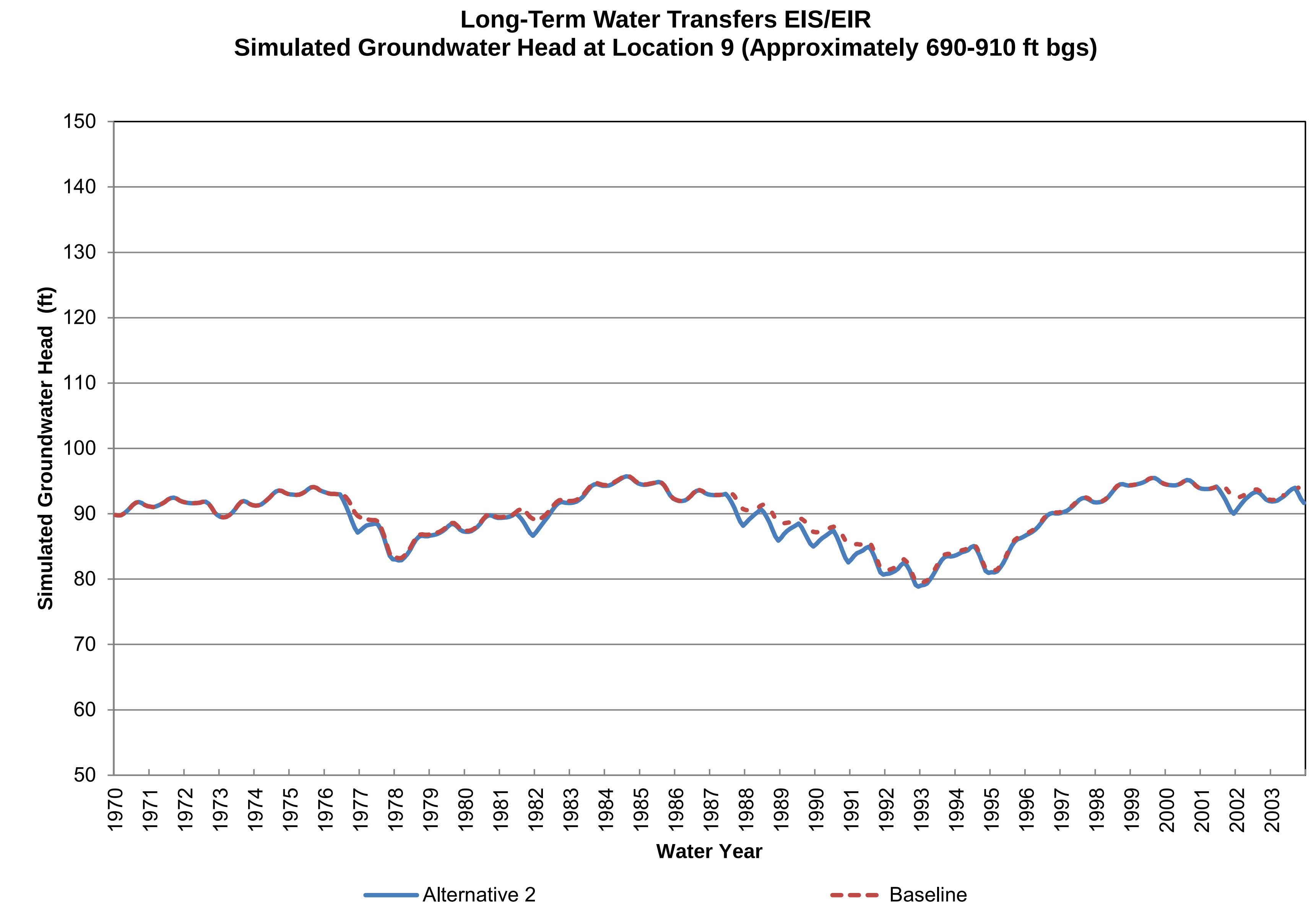
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 9 (Approximately 690-910 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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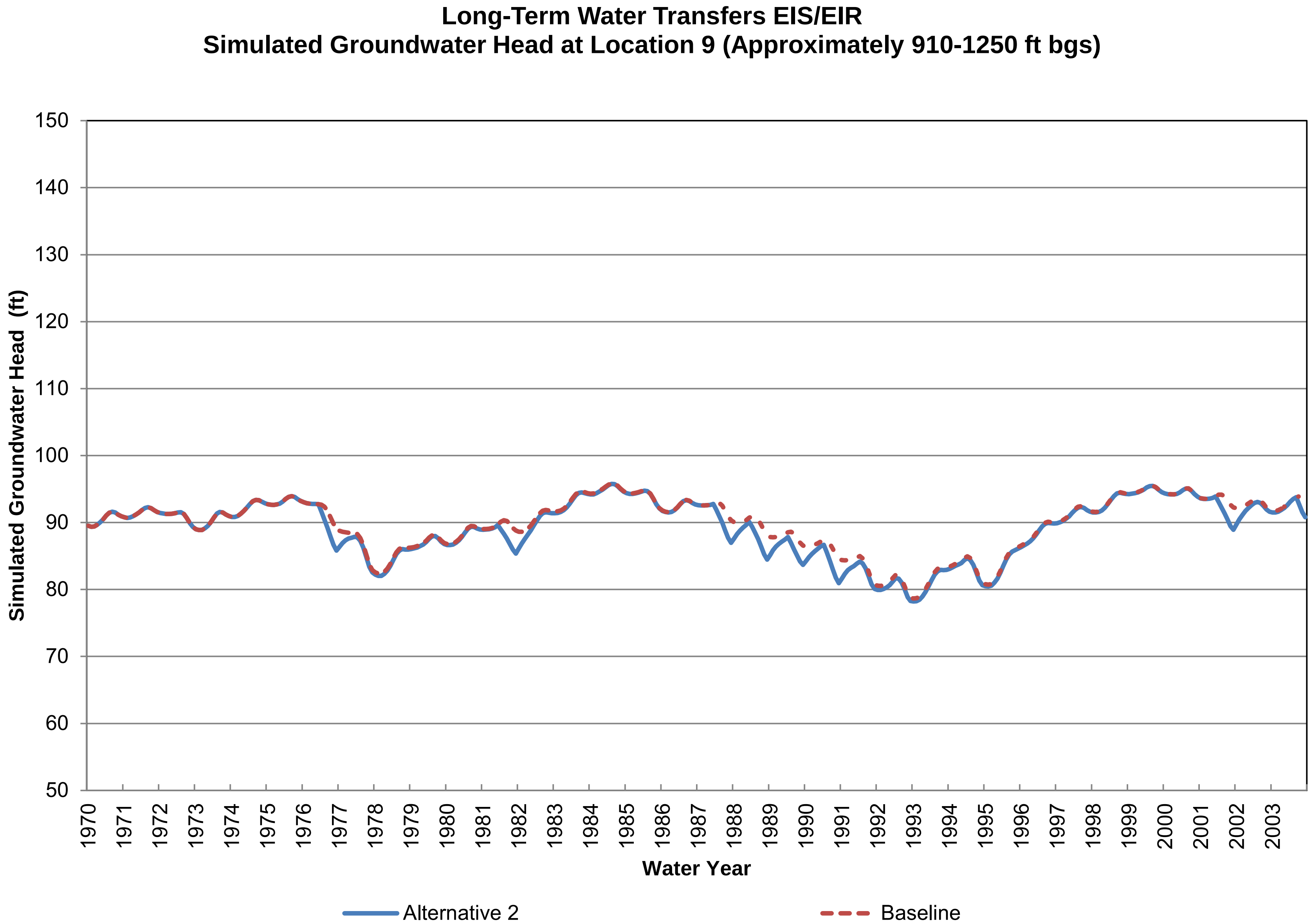
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 9 (Approximately 910-1250 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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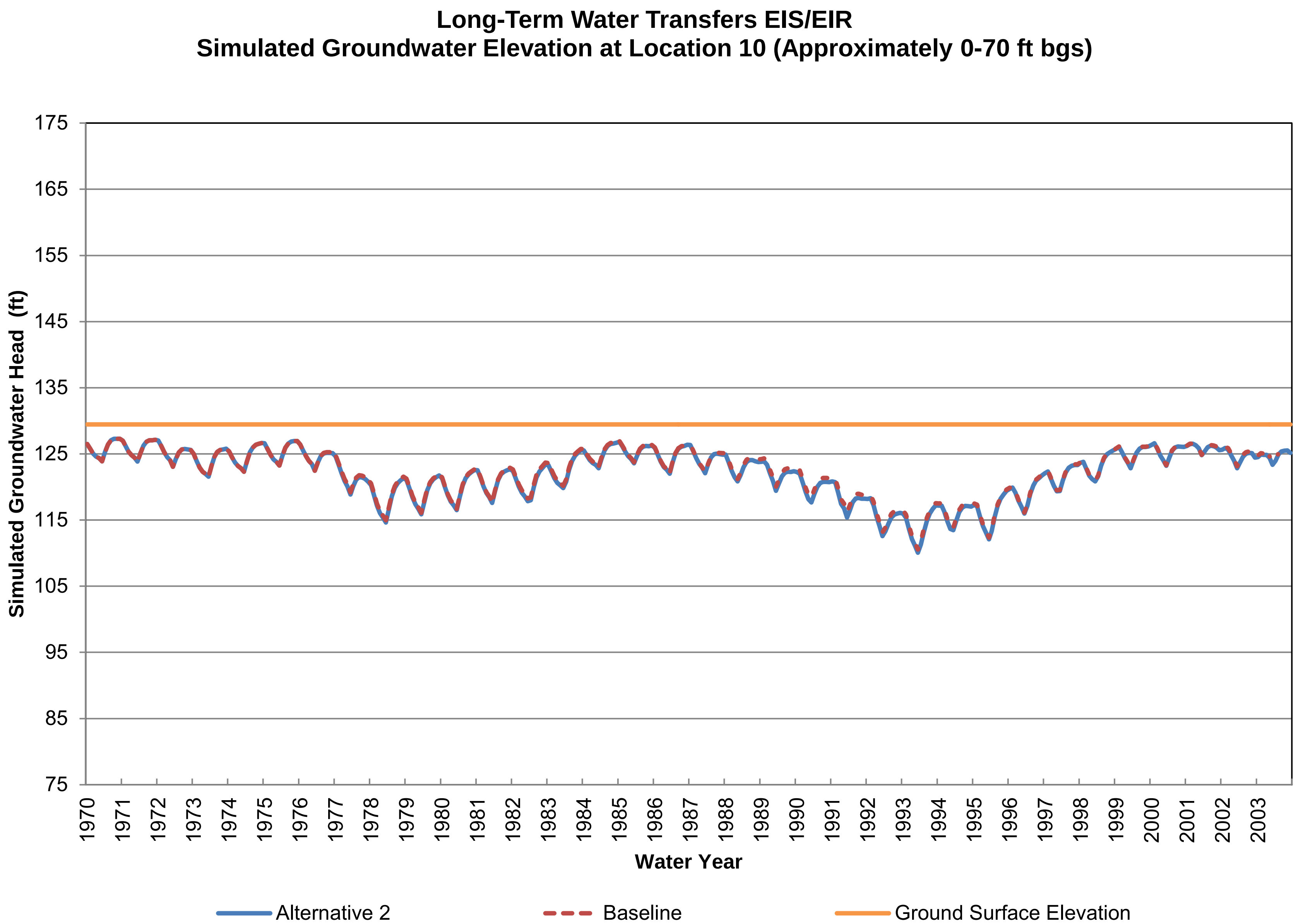
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 10 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
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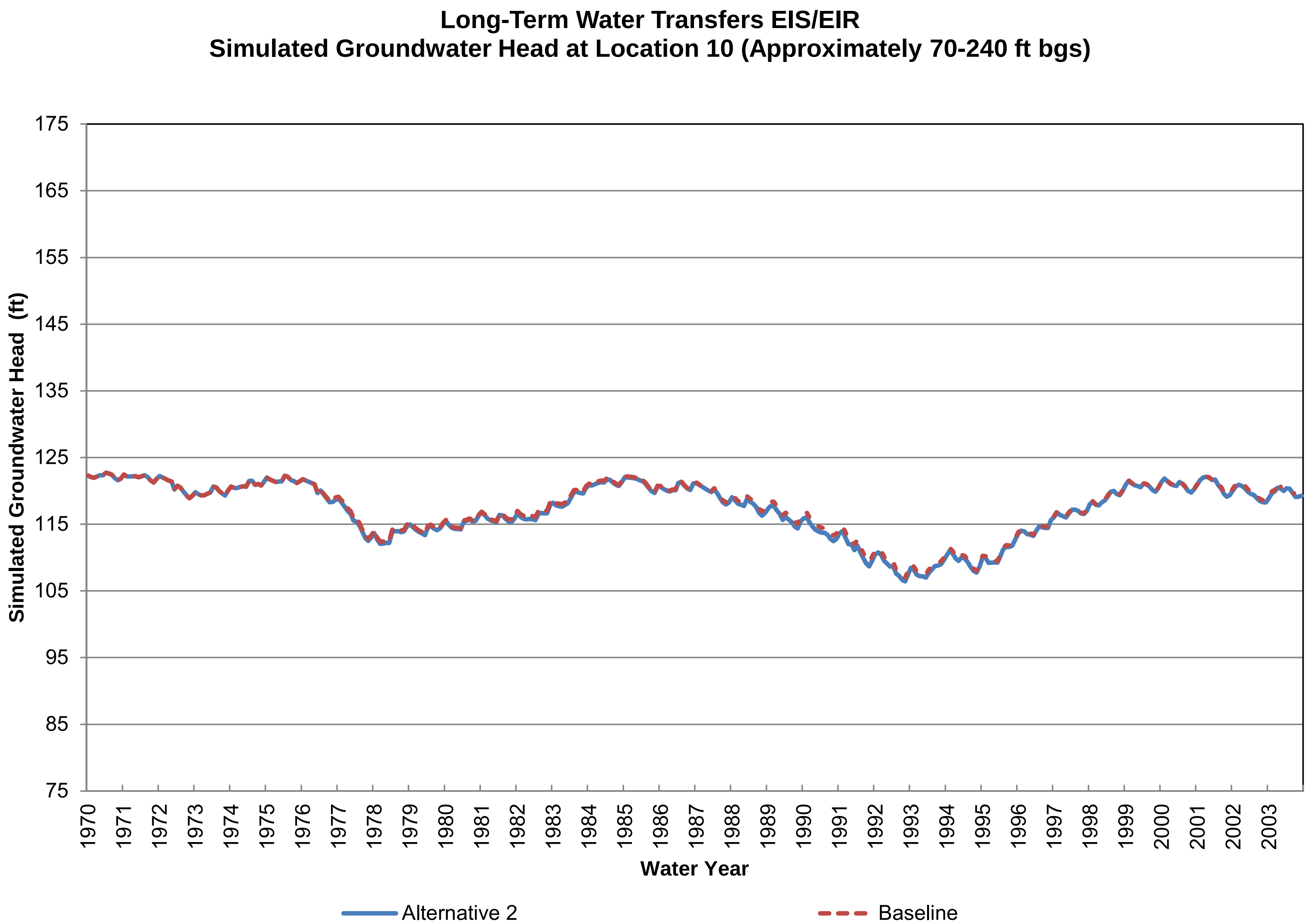
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 10 (Approximately 70-240 ft bgs)
175
165
155
145
135
125
115
105
95
85
75
Simulated Groundwater Head (ft)
1970
1971
1972
1973
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1998
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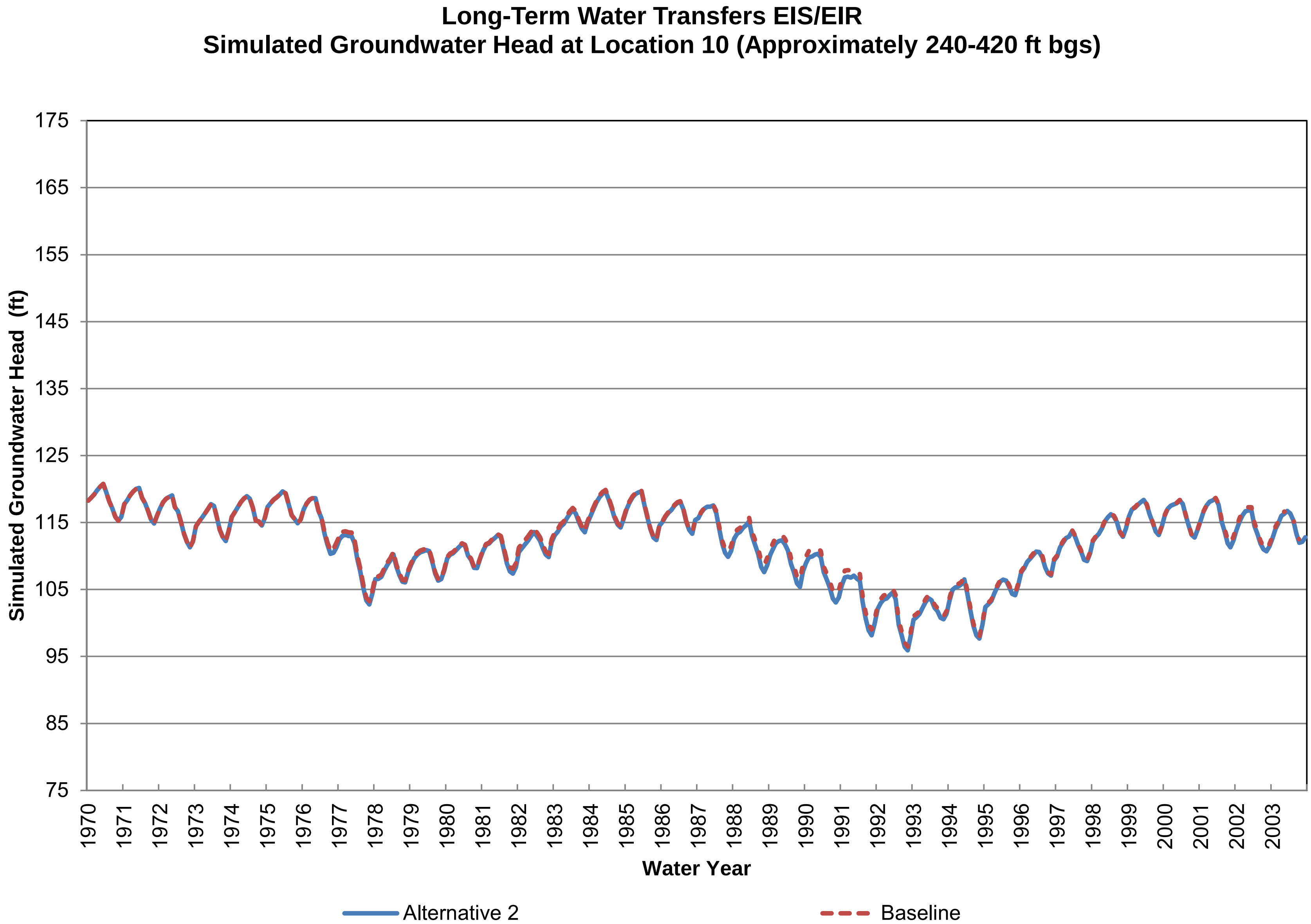
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 10 (Approximately 240-420 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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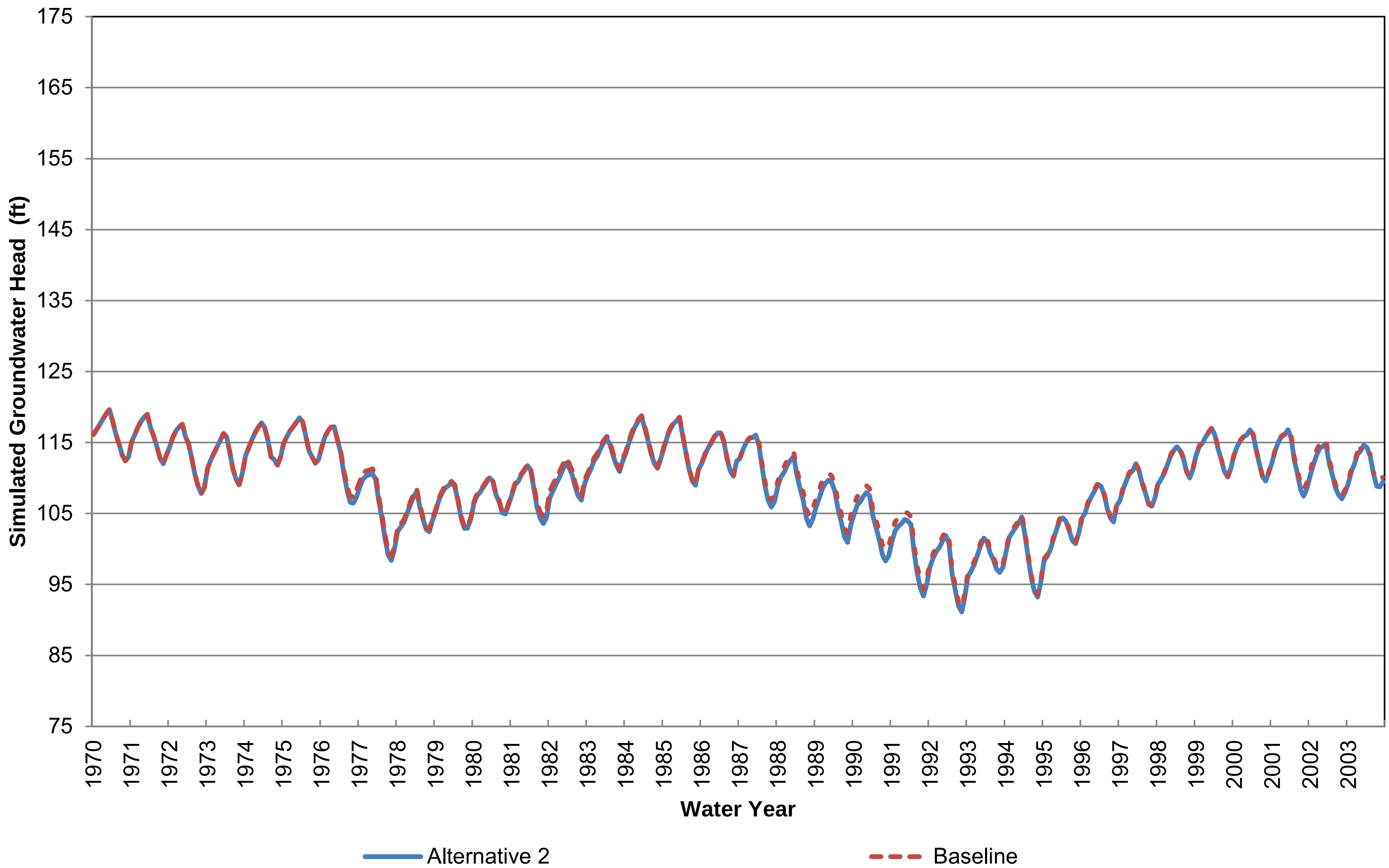
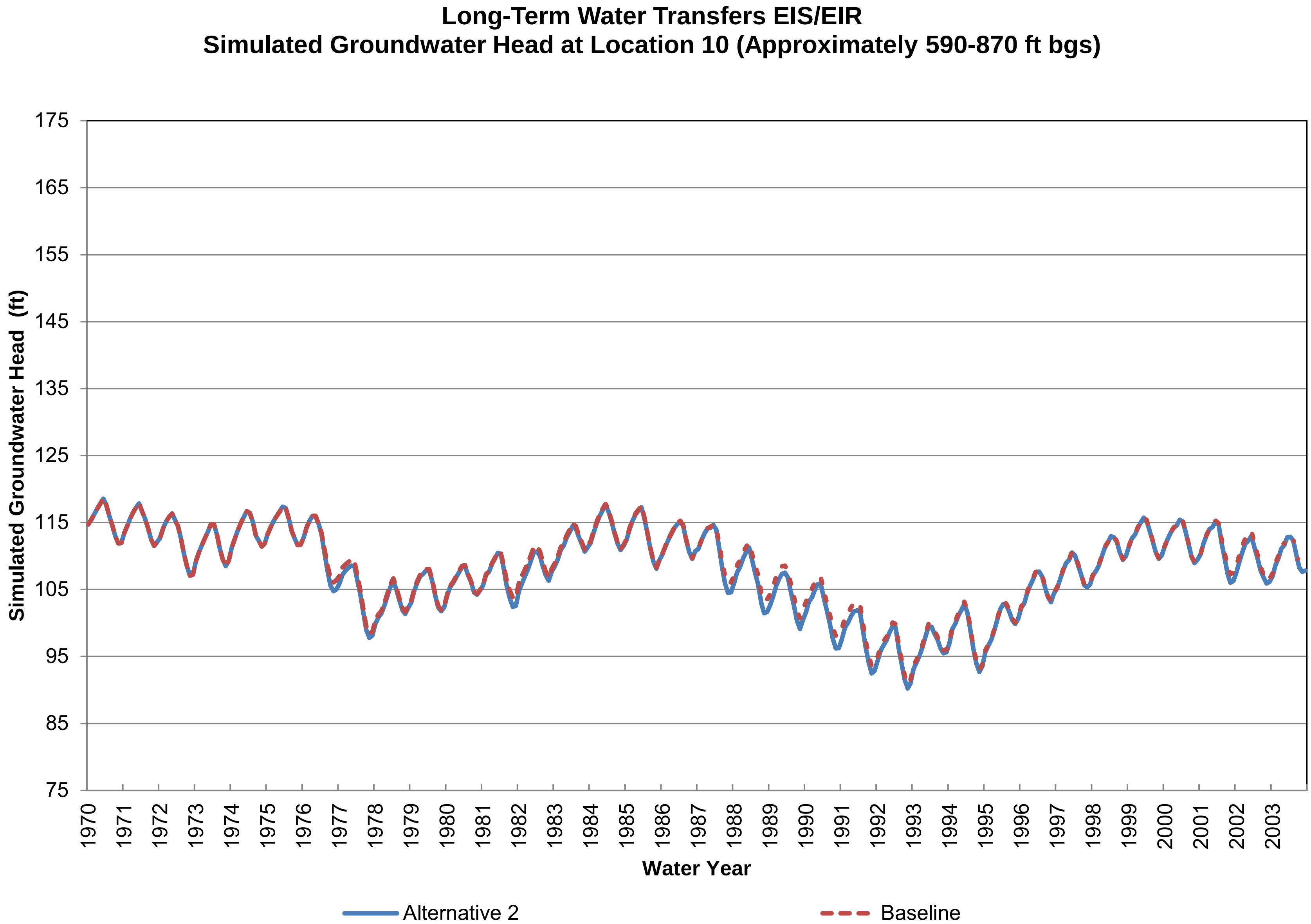
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 10 (Approximately 420-590 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 10 (Approximately 590-870 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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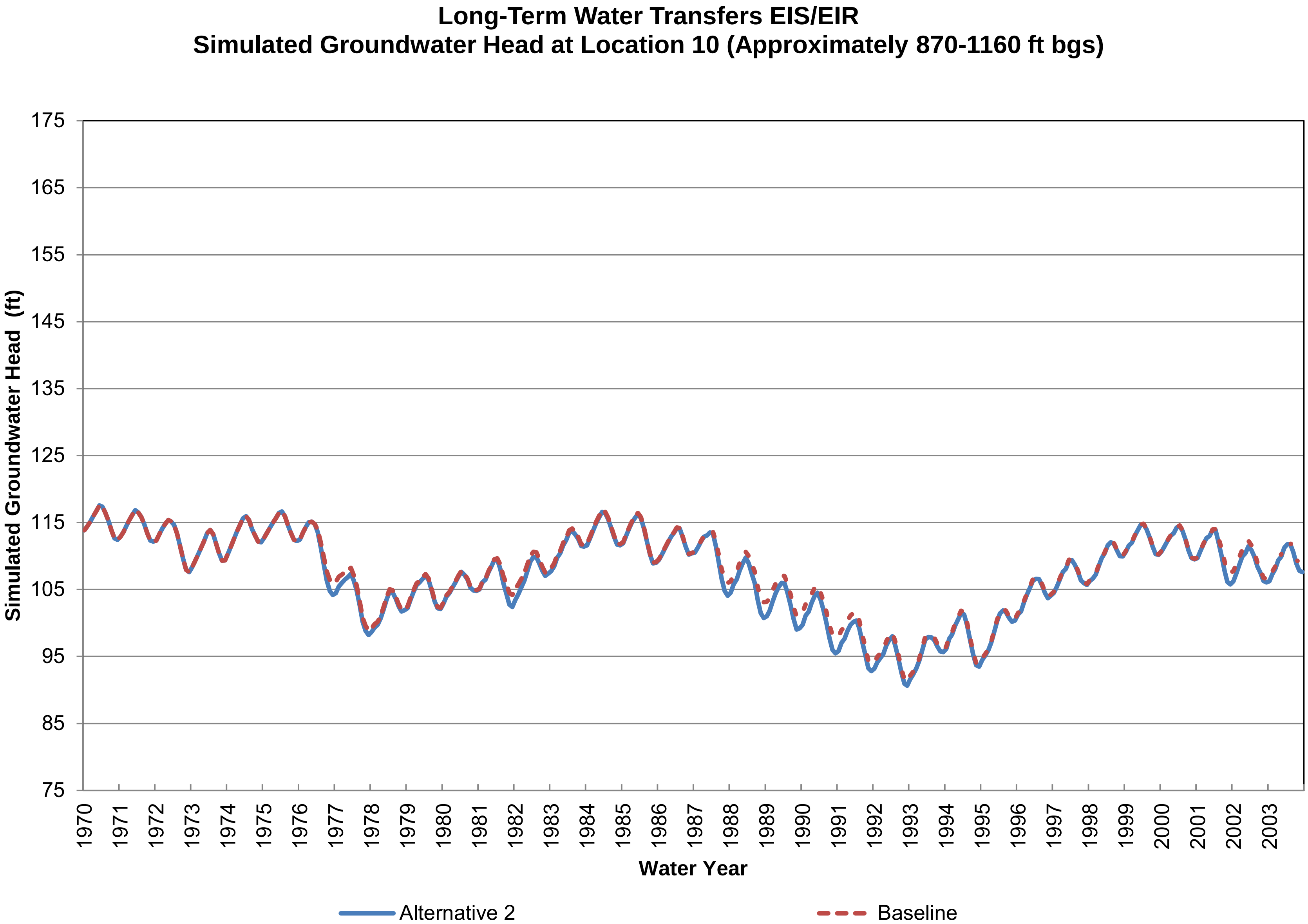
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 10 (Approximately 870-1160 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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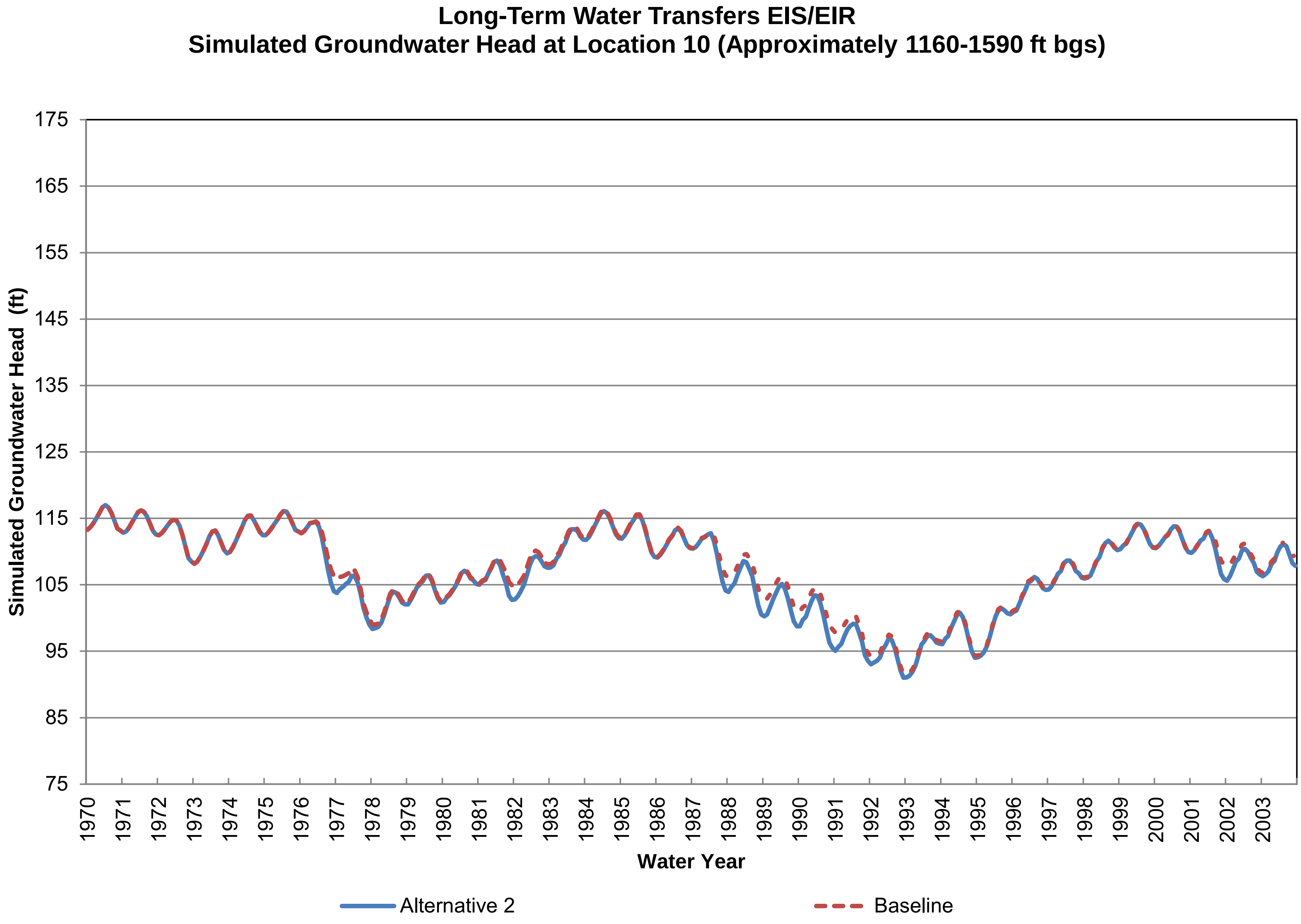
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 10 (Approximately 1160-1590 ft bgs)
Simulated Groundwater Head (ft)
175
165
155
145
135
125
115
105
95
85
75
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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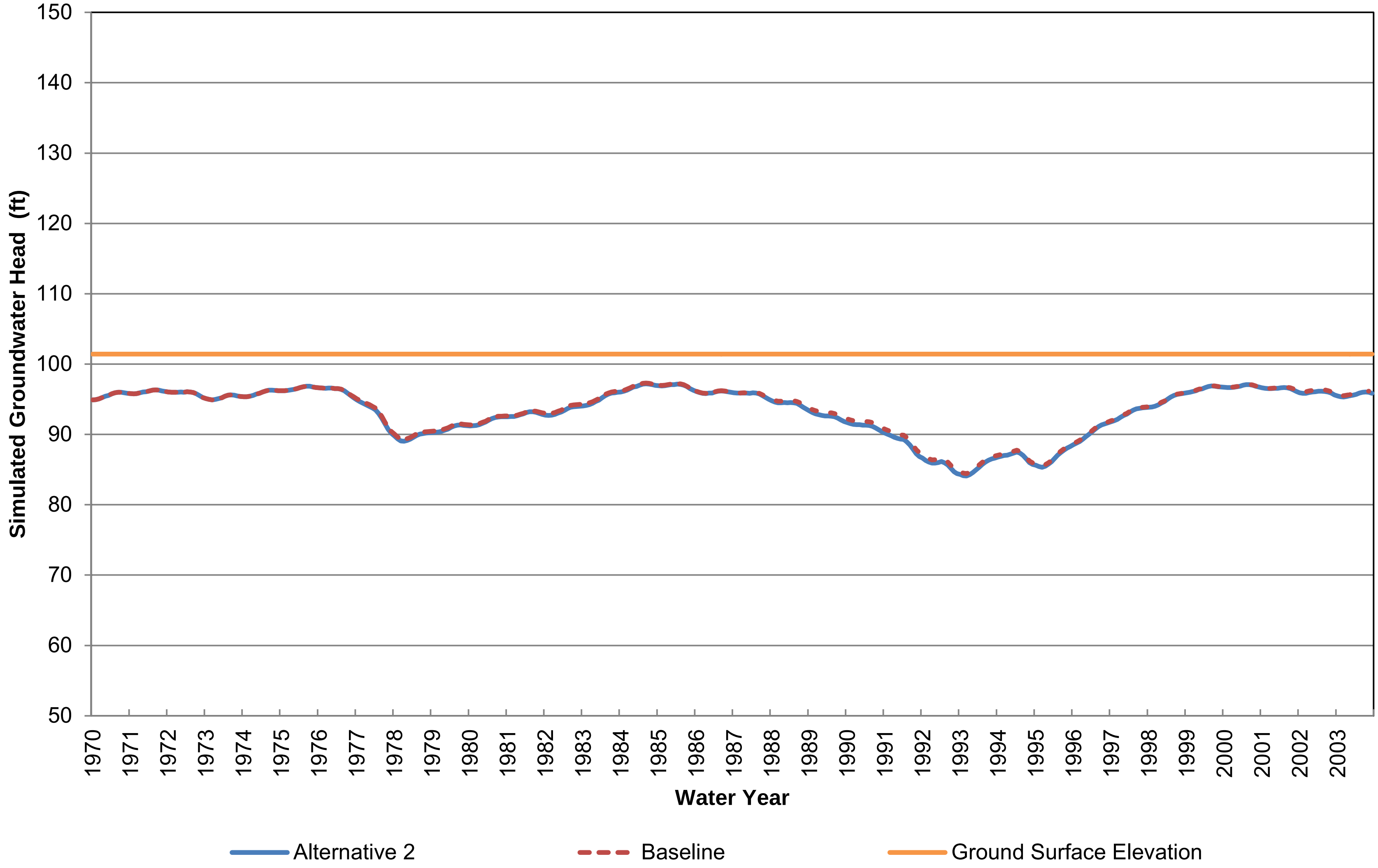
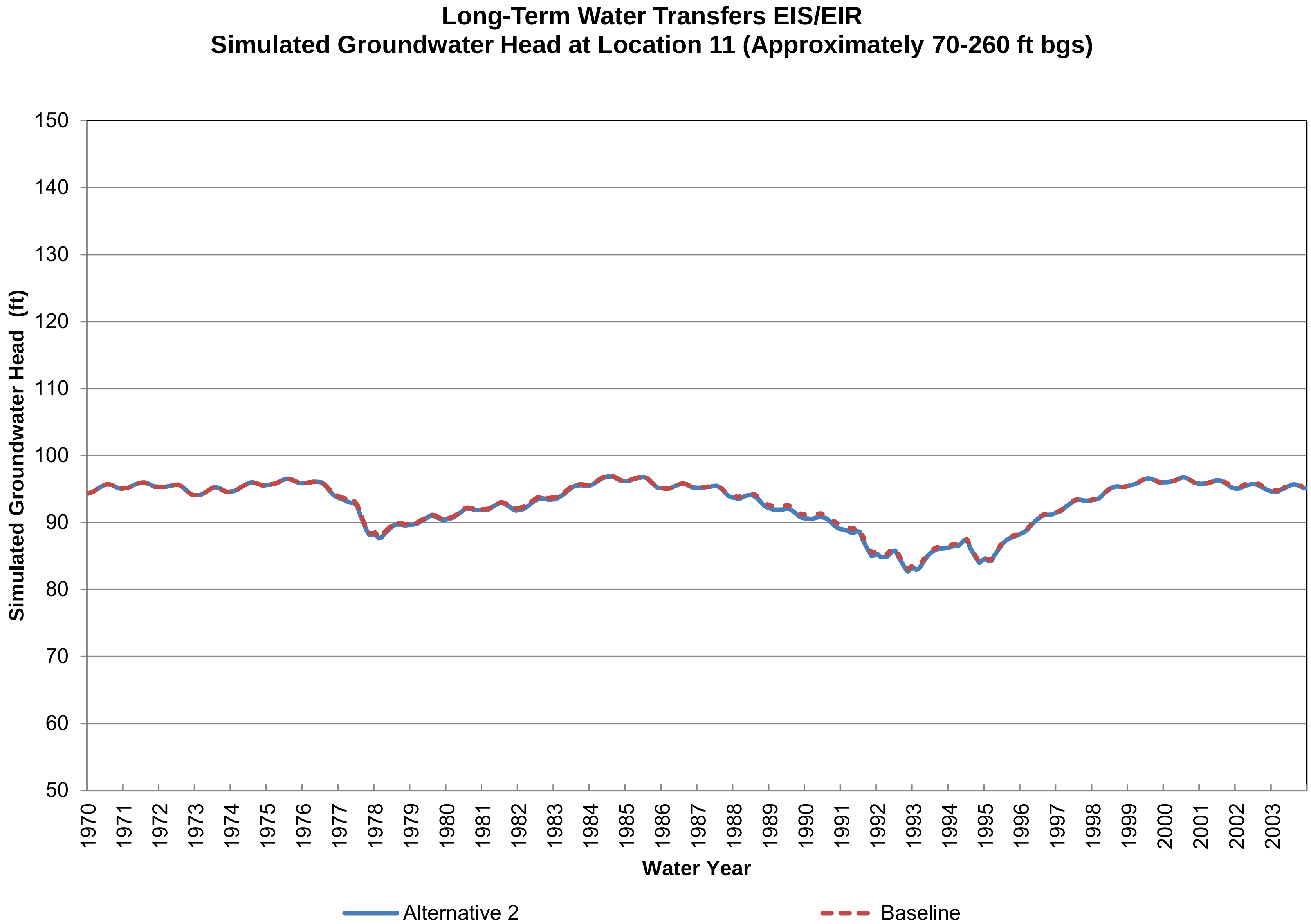
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 11 (Approximately 0-70 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 11 (Approximately 70-260 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
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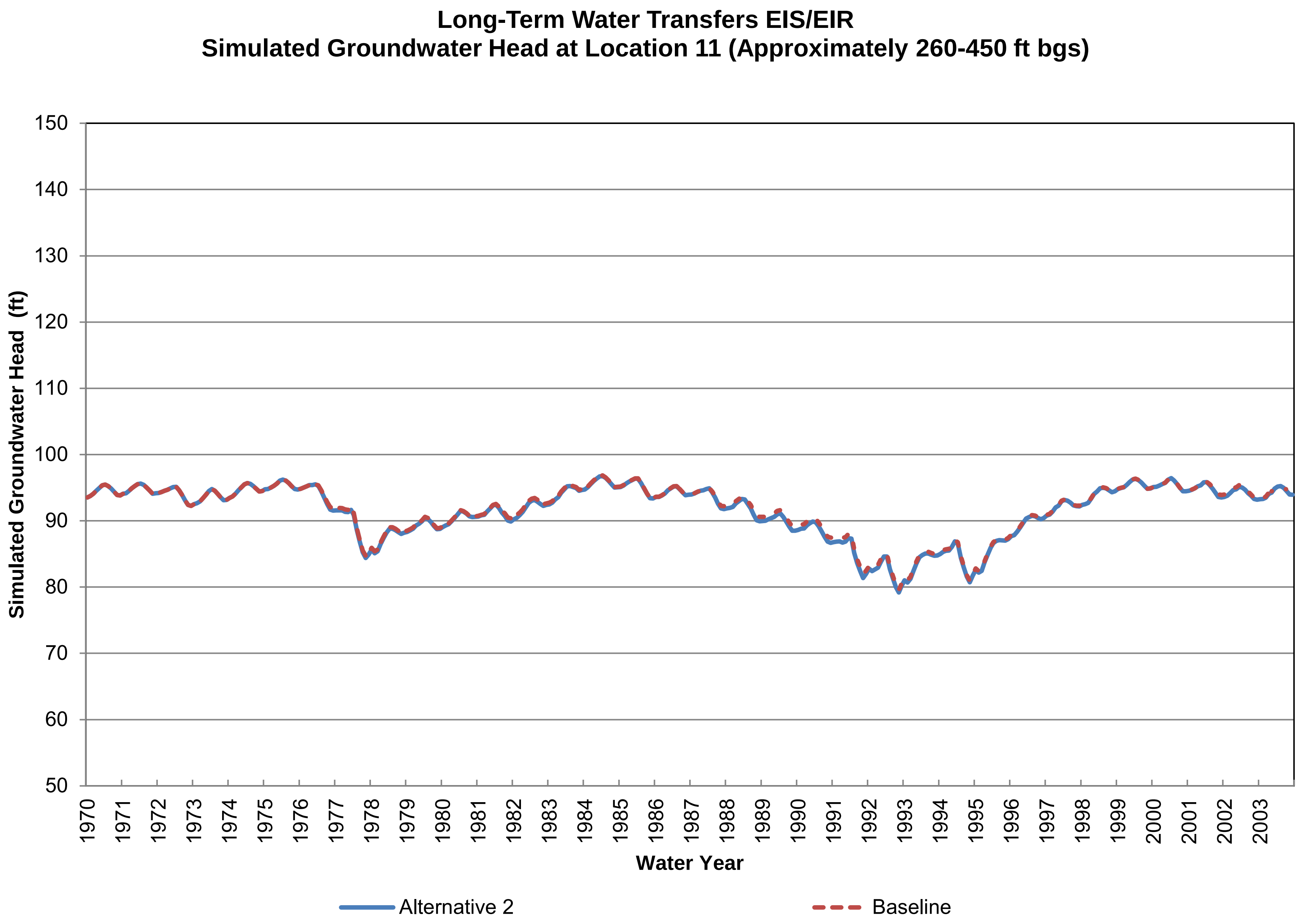
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 11 (Approximately 260-450 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1989
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1991
1992
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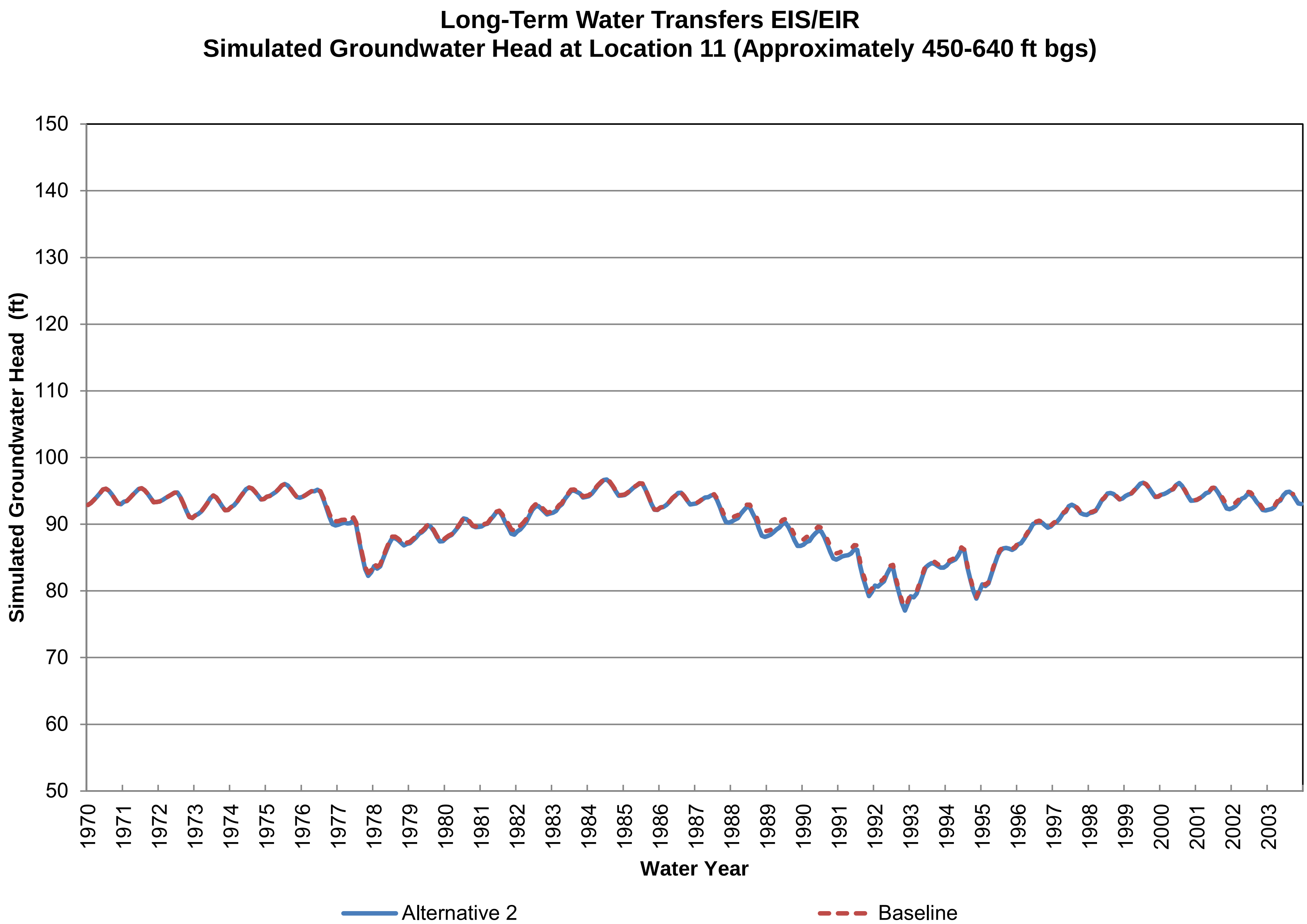
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 11 (Approximately 450-640 ft bgs)
150
140
130
120
110
100
90
80
70
60
50
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
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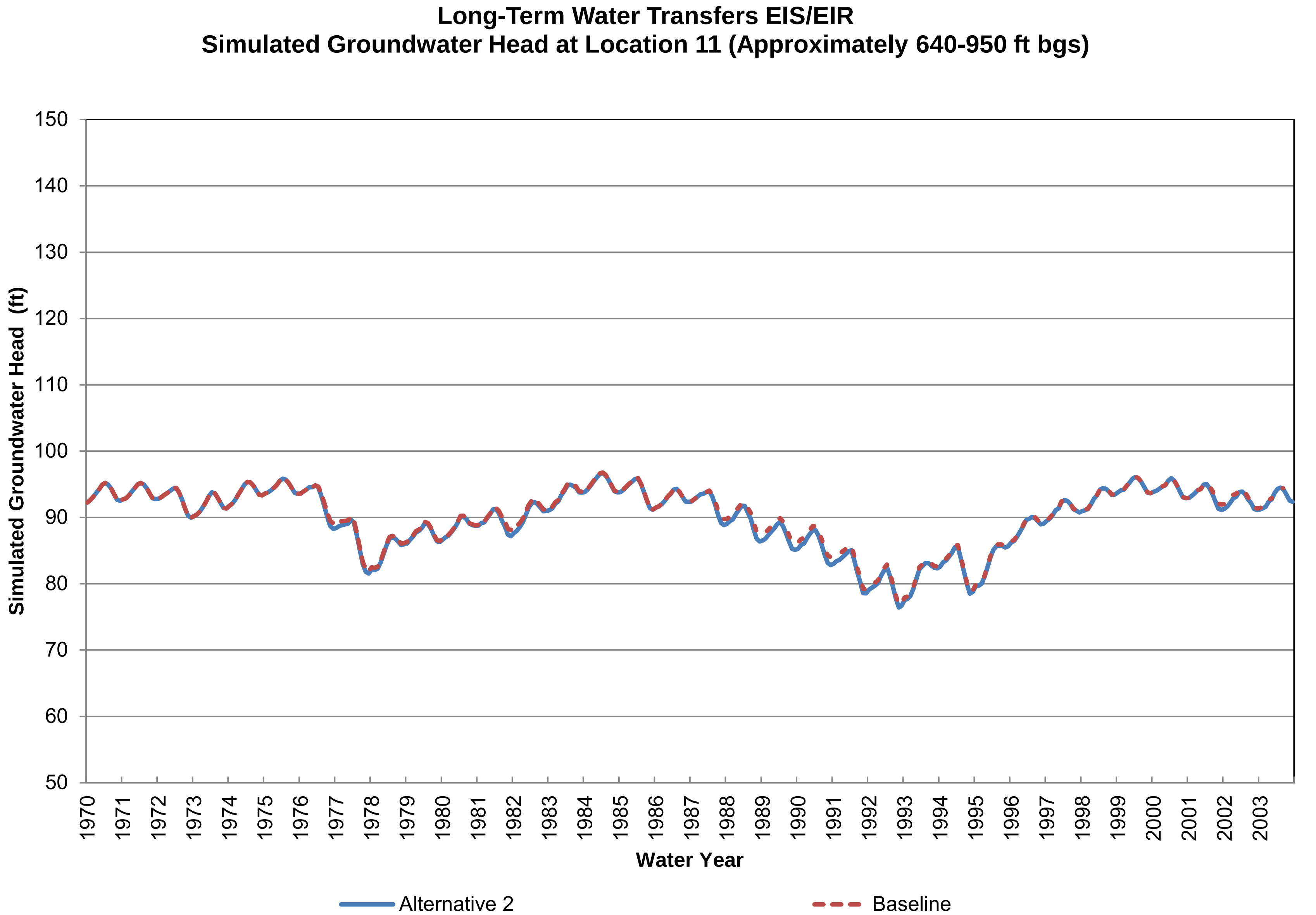
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 11 (Approximately 640-950 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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1986
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1992
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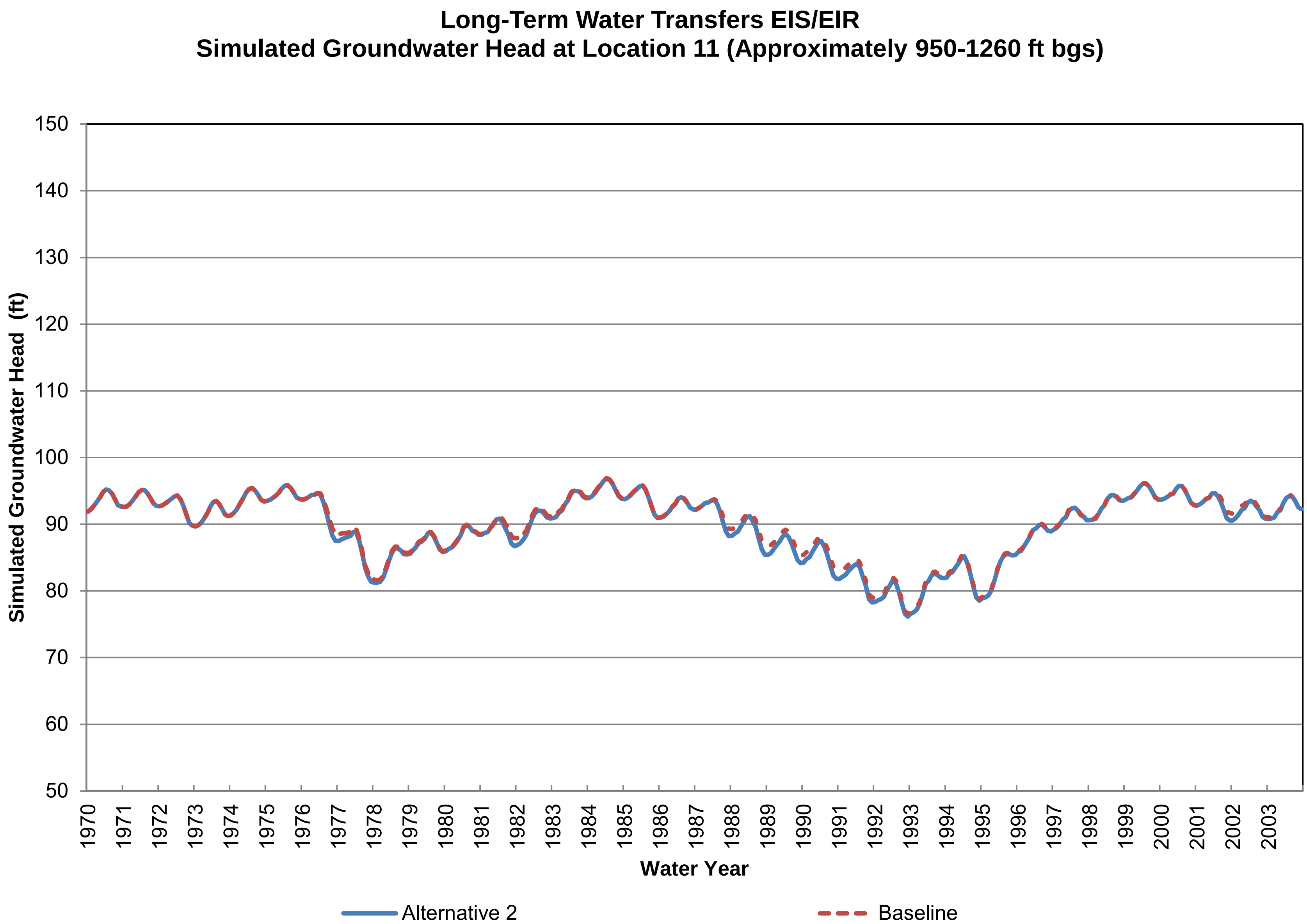
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 11 (Approximately 950-1260 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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1989
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1997
1998
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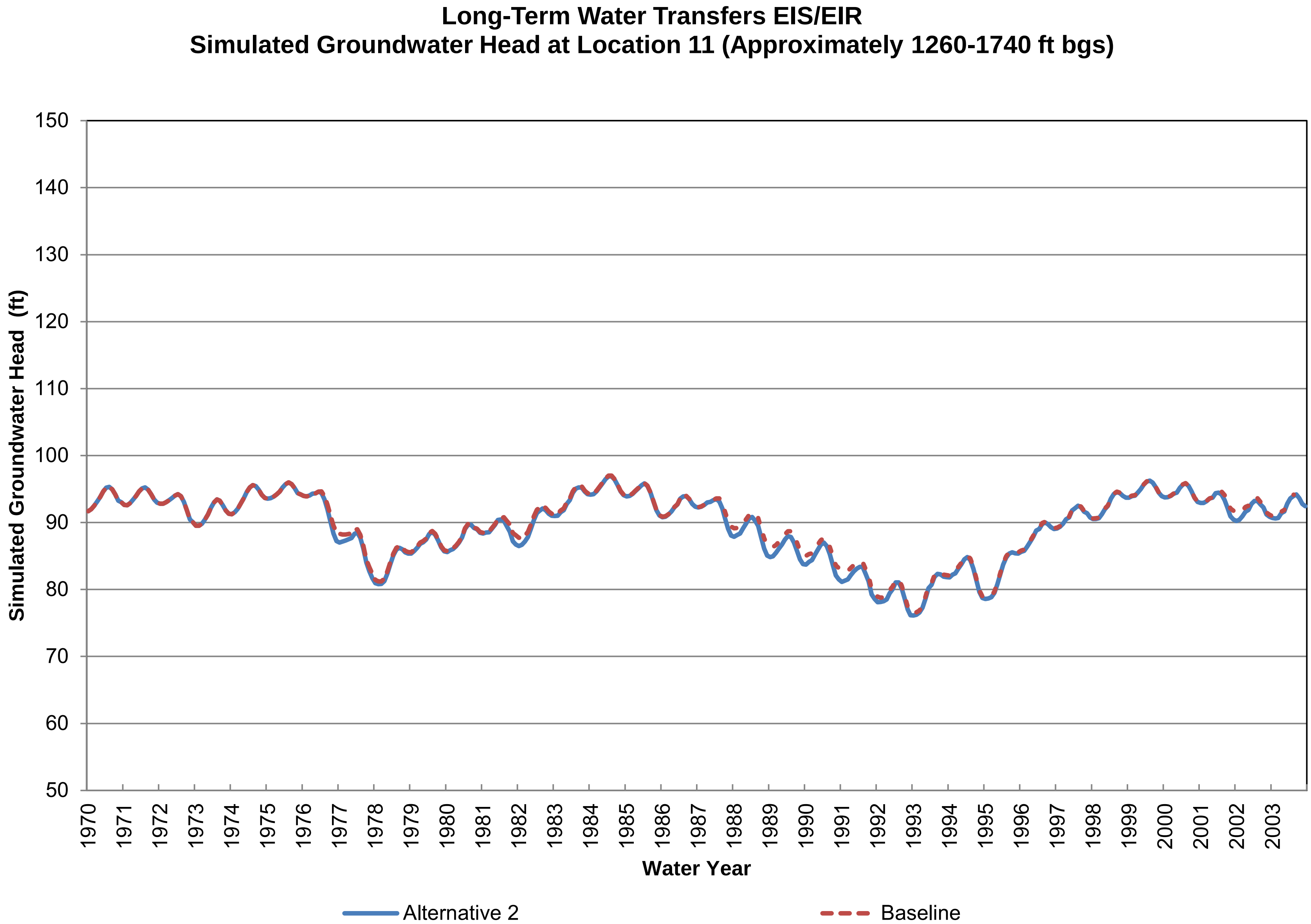
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 11 (Approximately 1260-1740 ft bgs)
Simulated Groundwater Head (ft)
150
140
130
120
110
100
90
80
70
60
50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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1989
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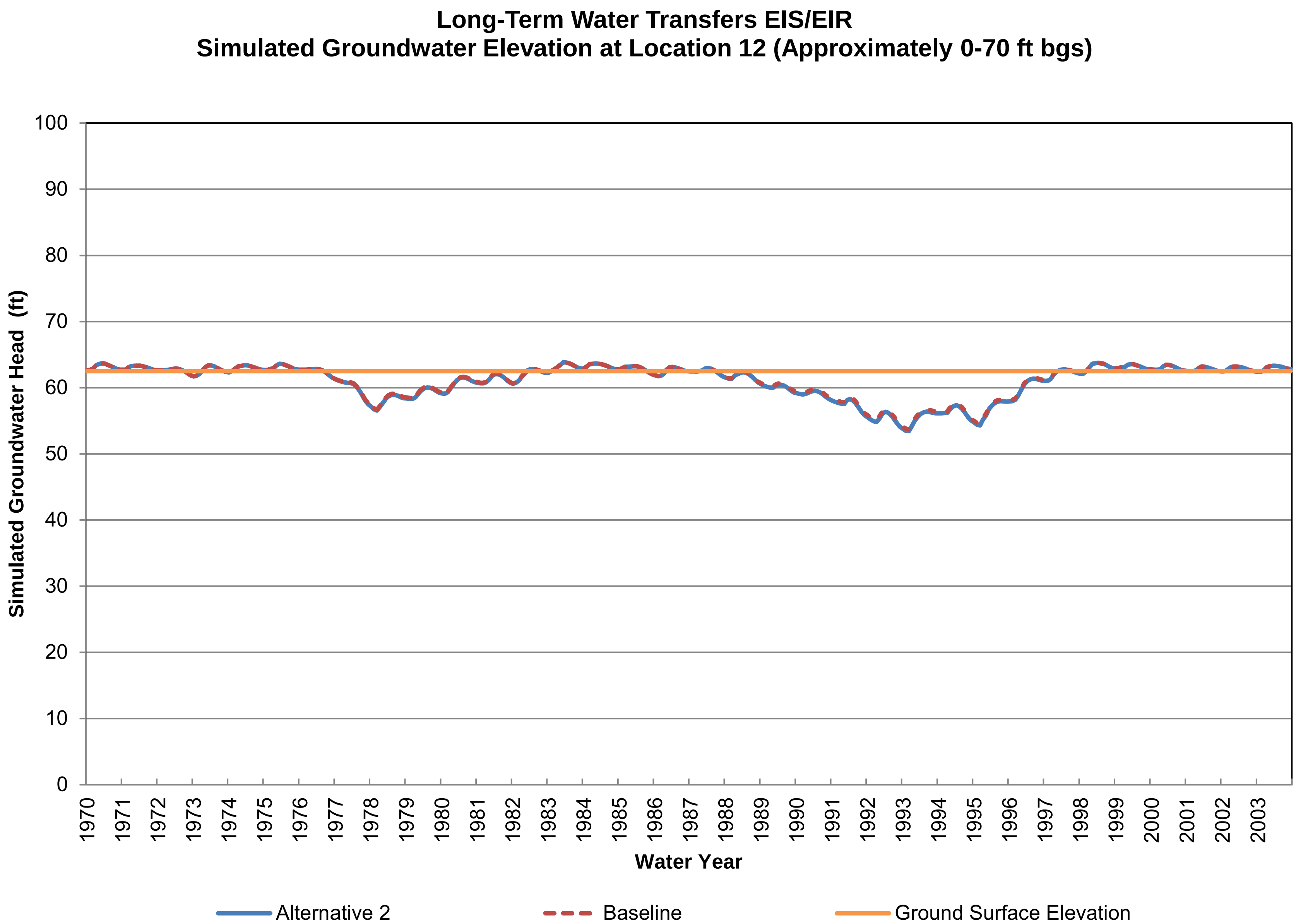
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 12 (Approximately 0-70 ft bgs)
100
90
80
70
60
50
40
30
20
10
0
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
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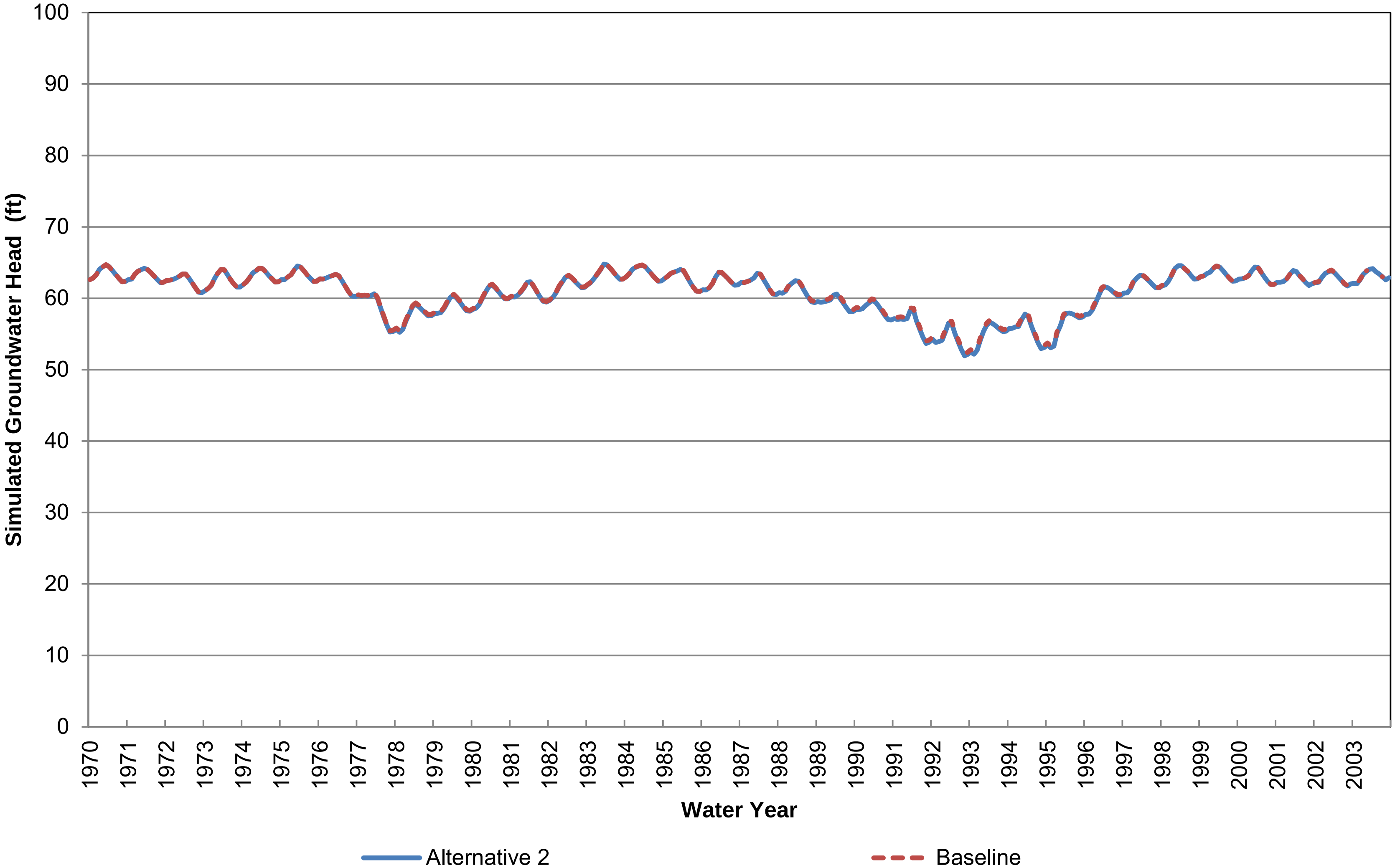
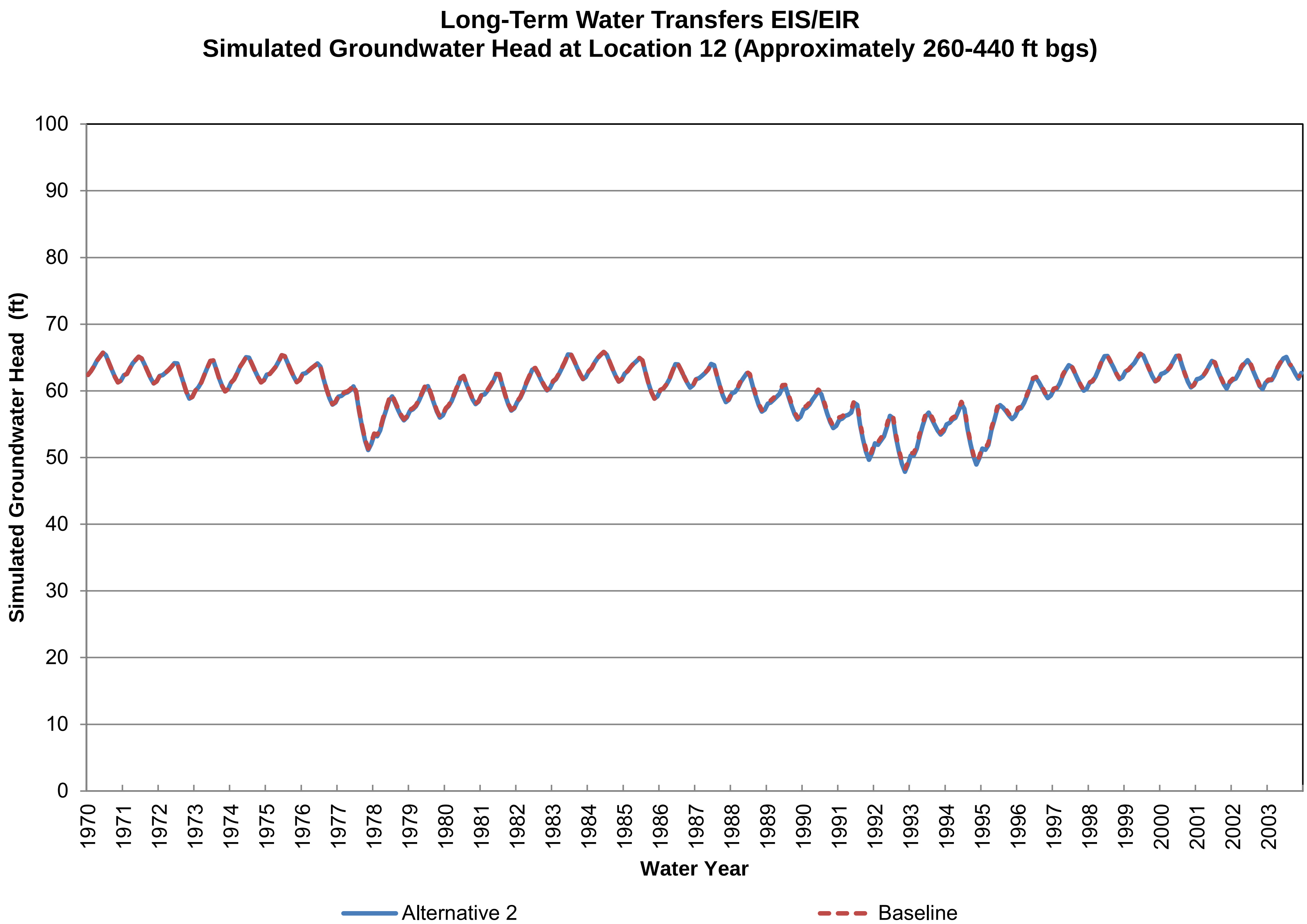
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 12 (Approximately 70-260 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 12 (Approximately 260-440 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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1994
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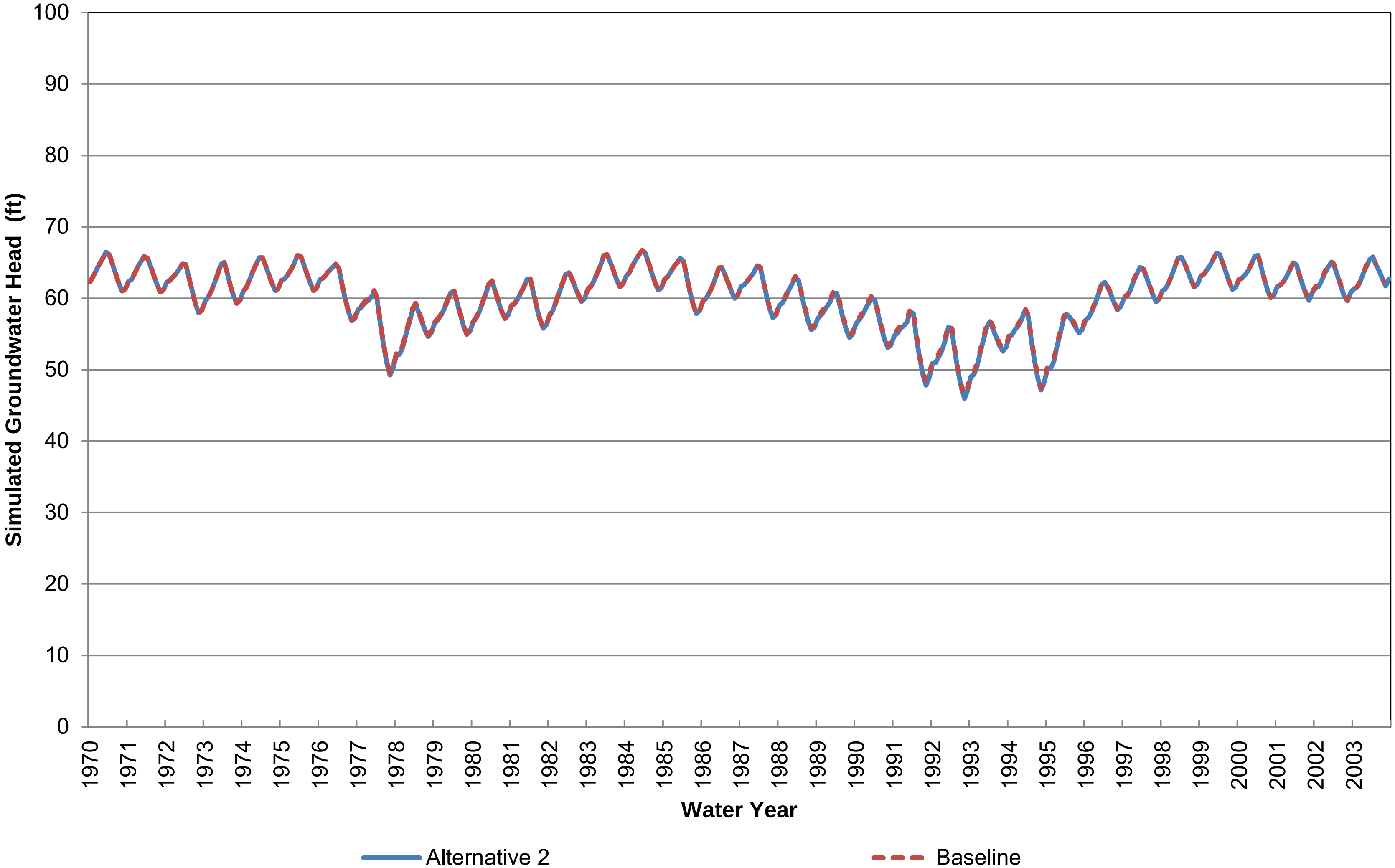
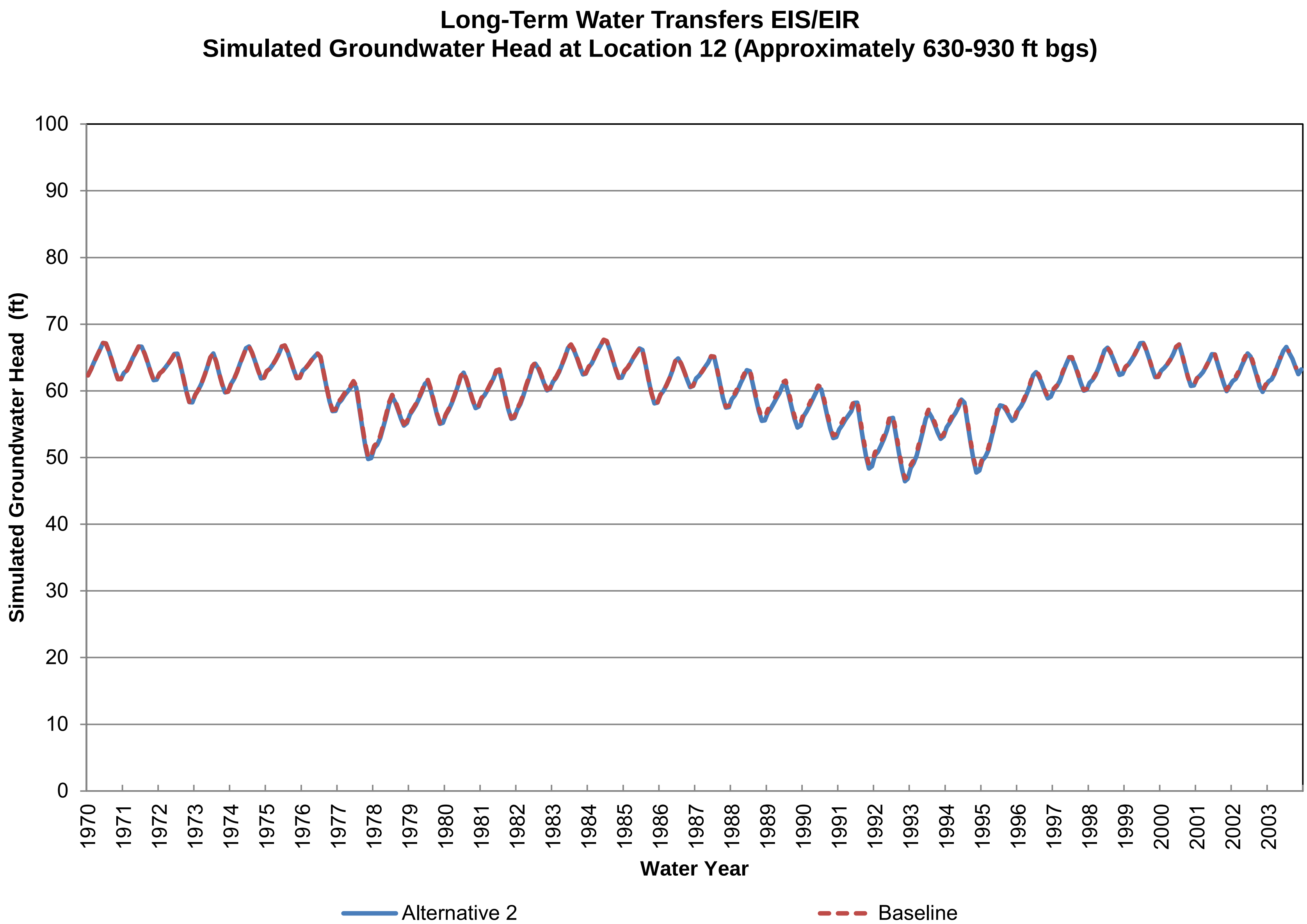
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 12 (Approximately 440-630 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 12 (Approximately 630-930 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1988
1989
1990
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1992
1993
1994
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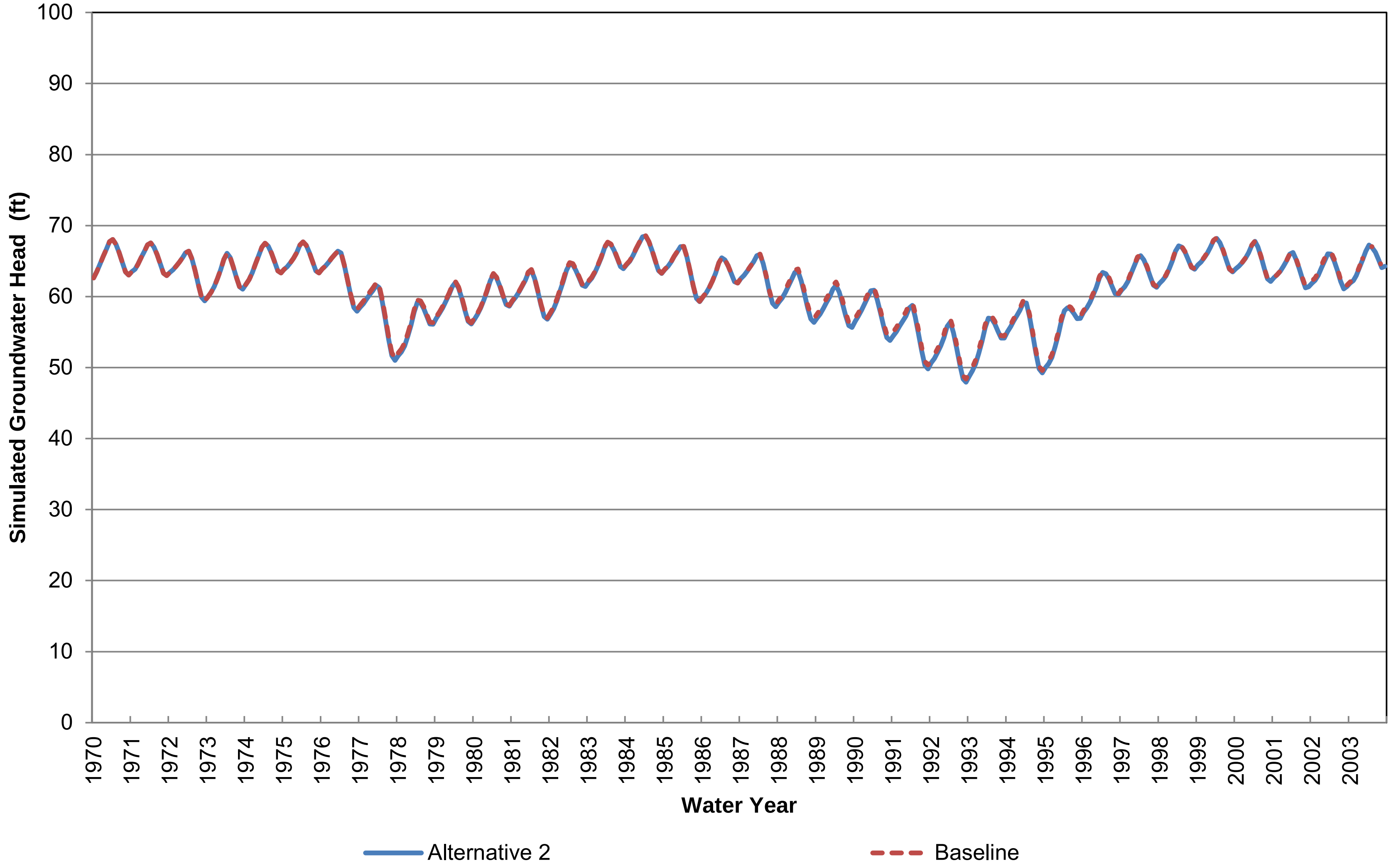
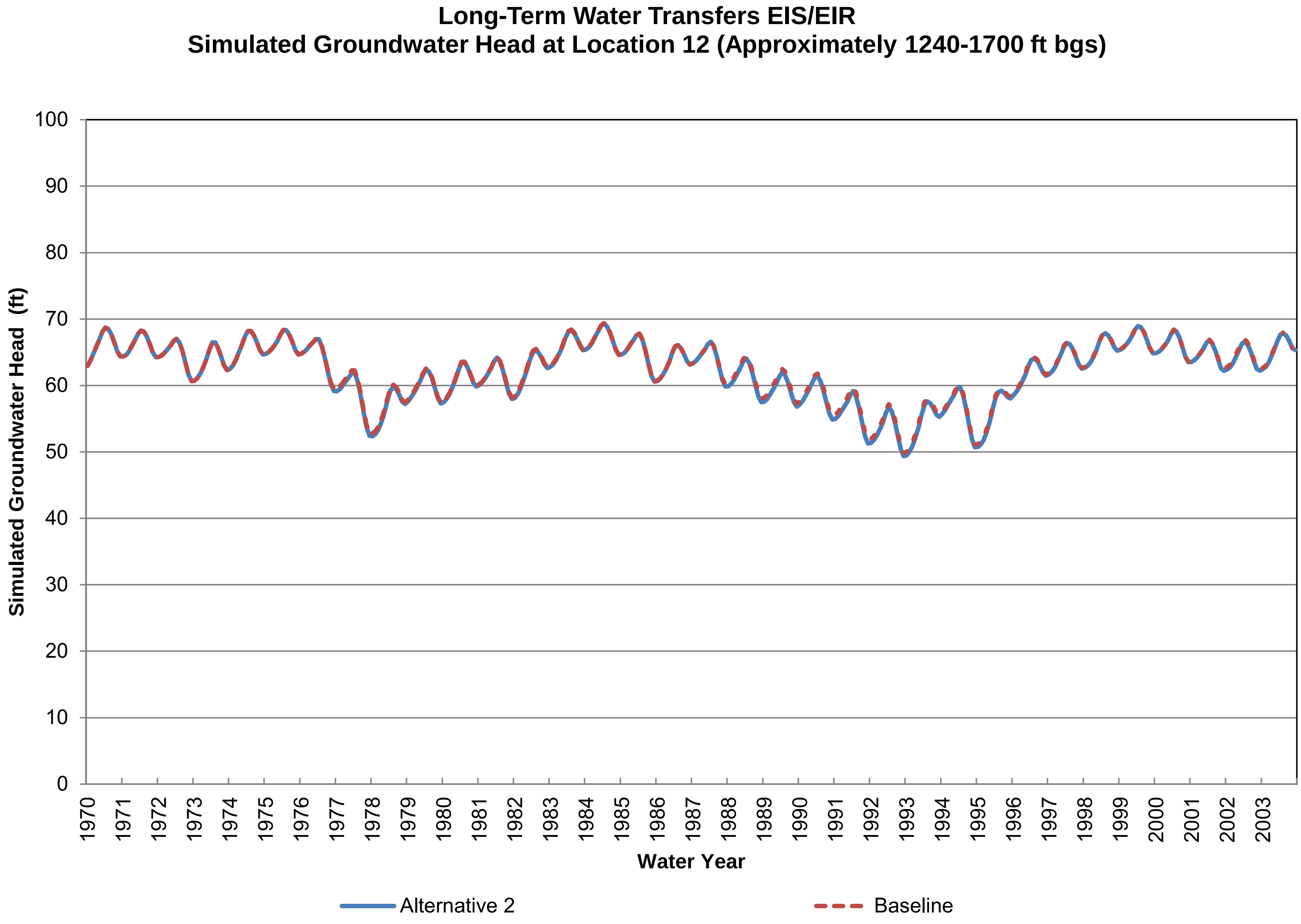
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 12 (Approximately 930-1240 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 12 (Approximately 1240-1700 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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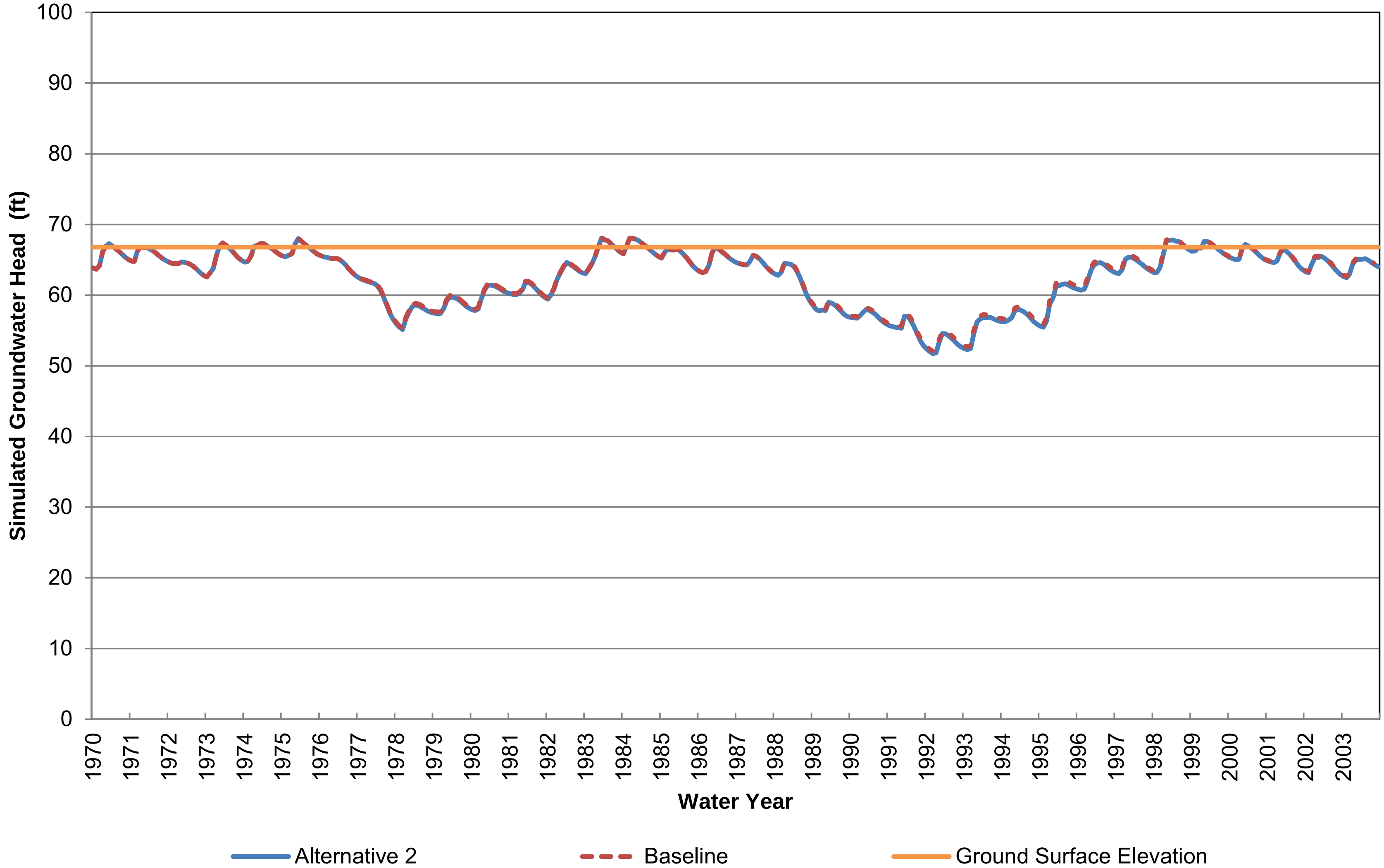
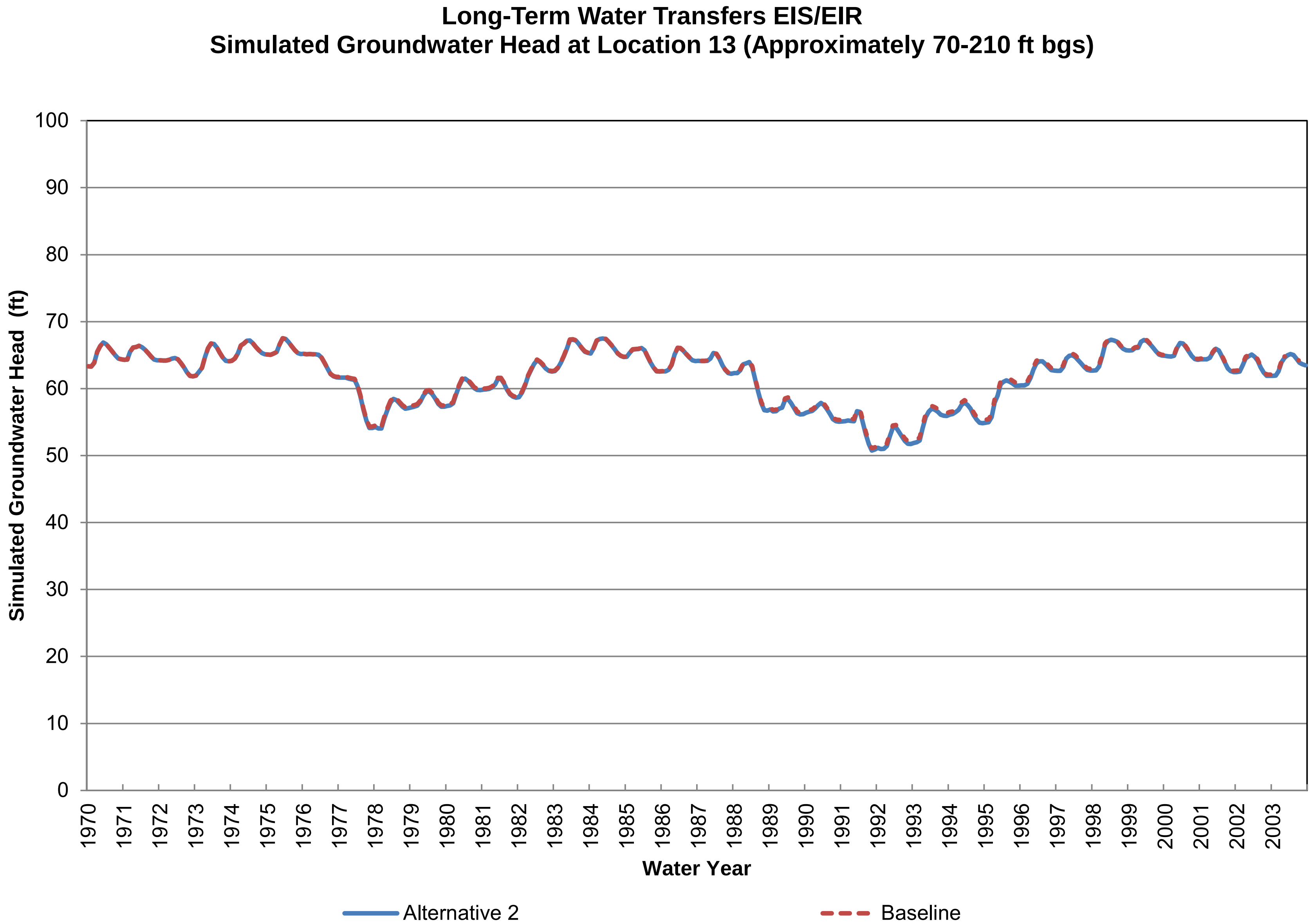
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 13 (Approximately 0-70 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 13 (Approximately 70-210 ft bgs)
100
90
80
70
60
50
40
30
20
10
0
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
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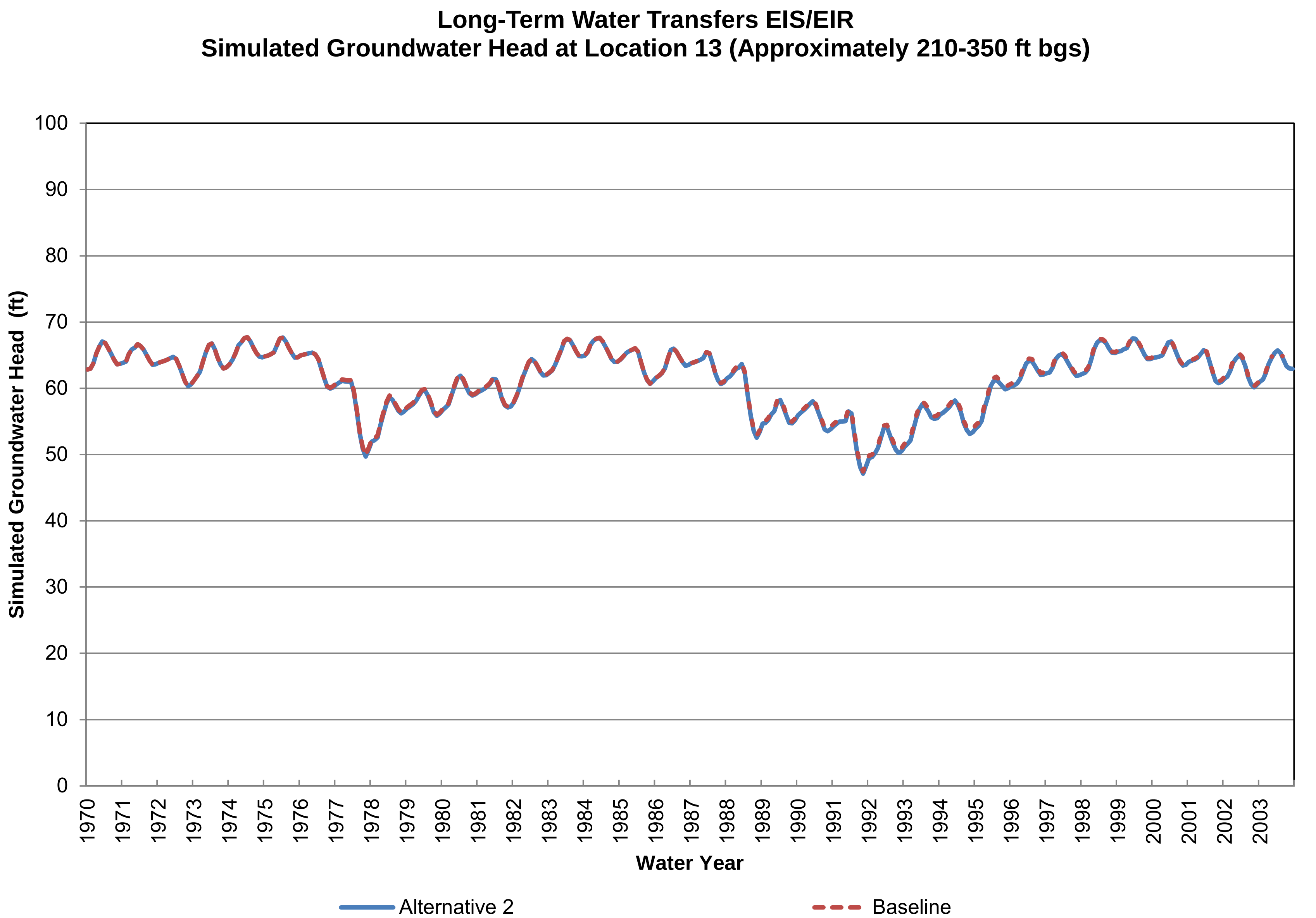
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 13 (Approximately 210-350 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1986
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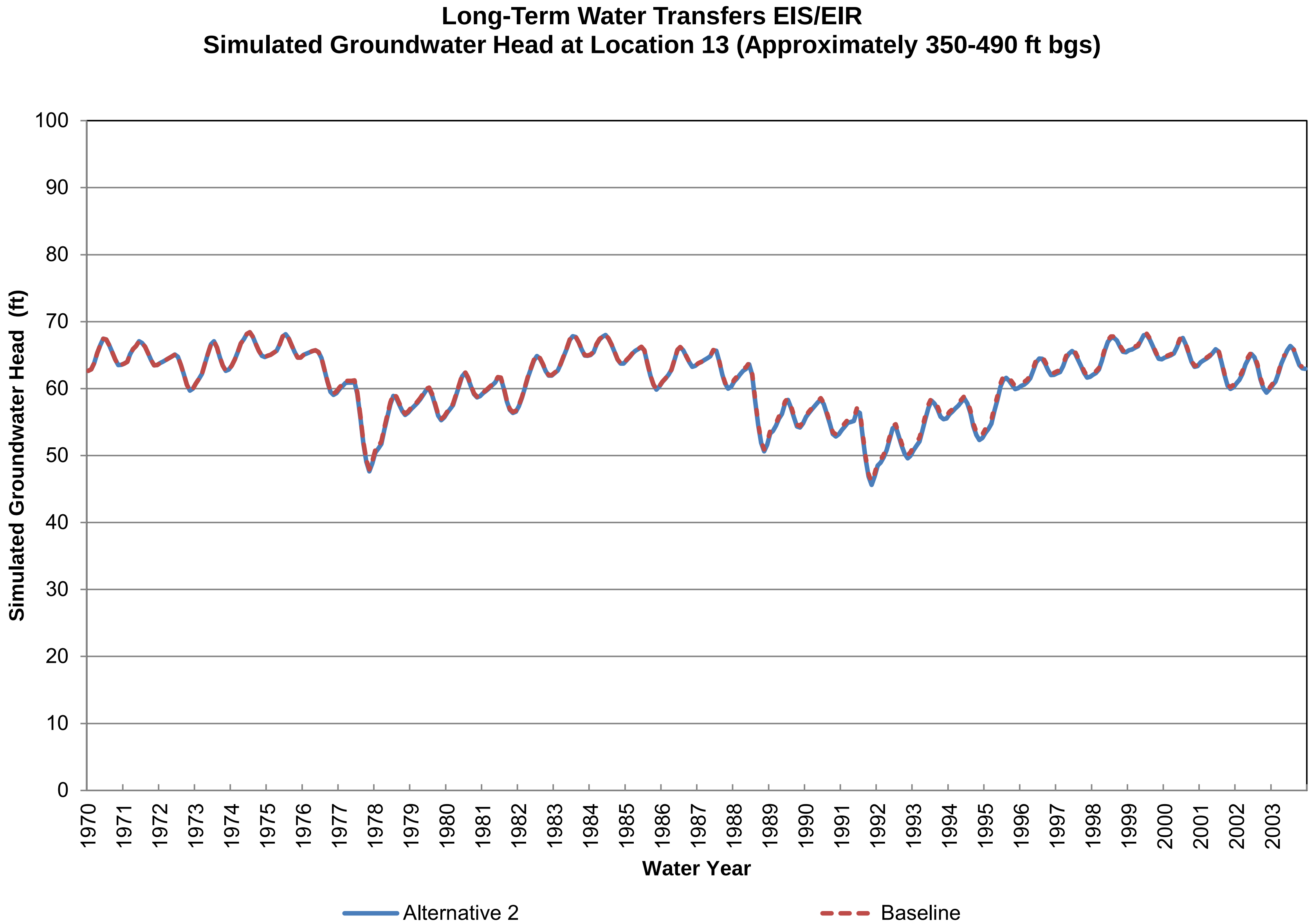
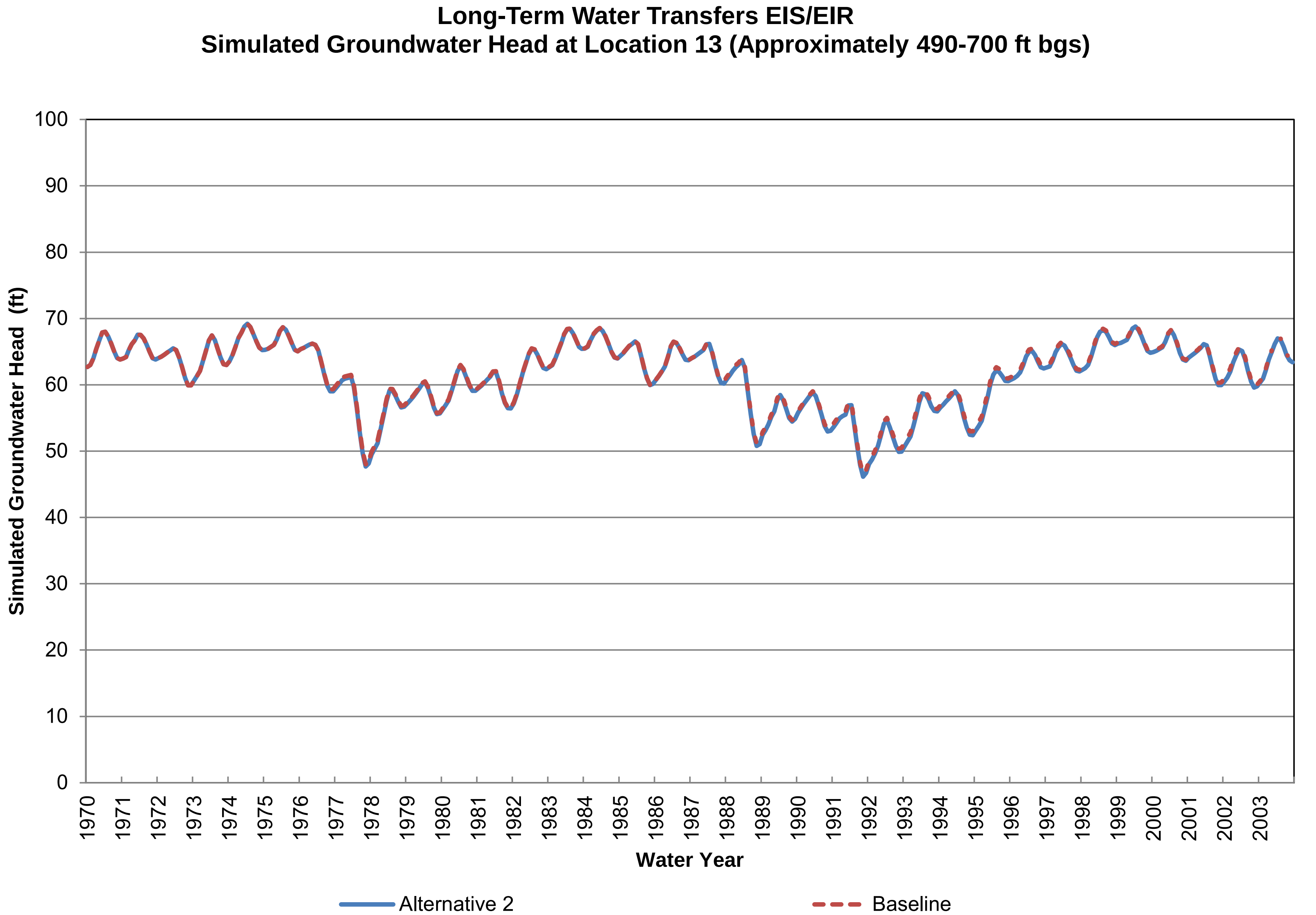
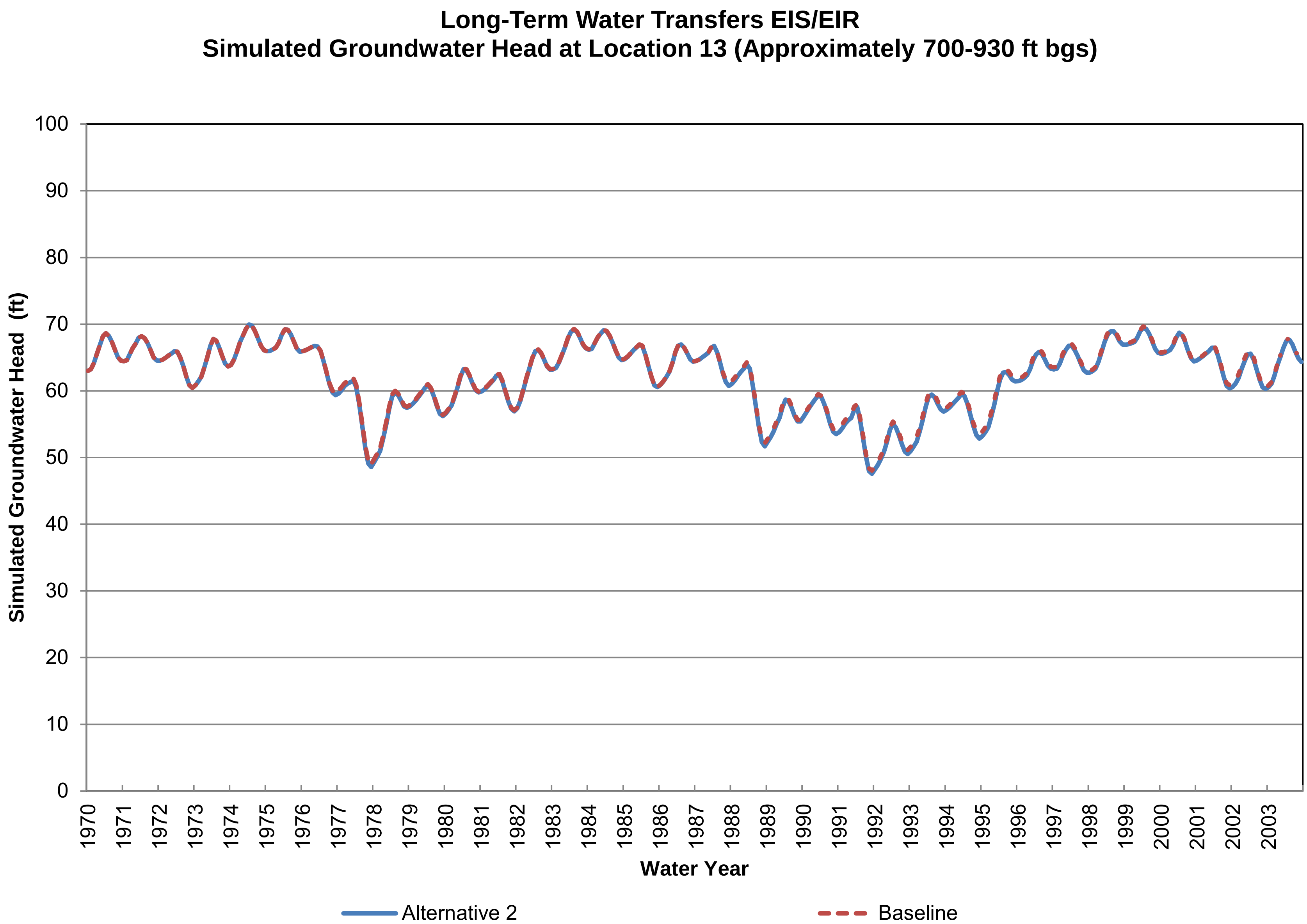
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 13 (Approximately 350-490 ft bgs)
Simulated Groundwater Head (ft)
0
10
20
30
40
50
60
70
80
90
100
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 13 (Approximately 490-700 ft bgs)
100
90
80
70
60
50
40
30
20
10
0
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 13 (Approximately 700-930 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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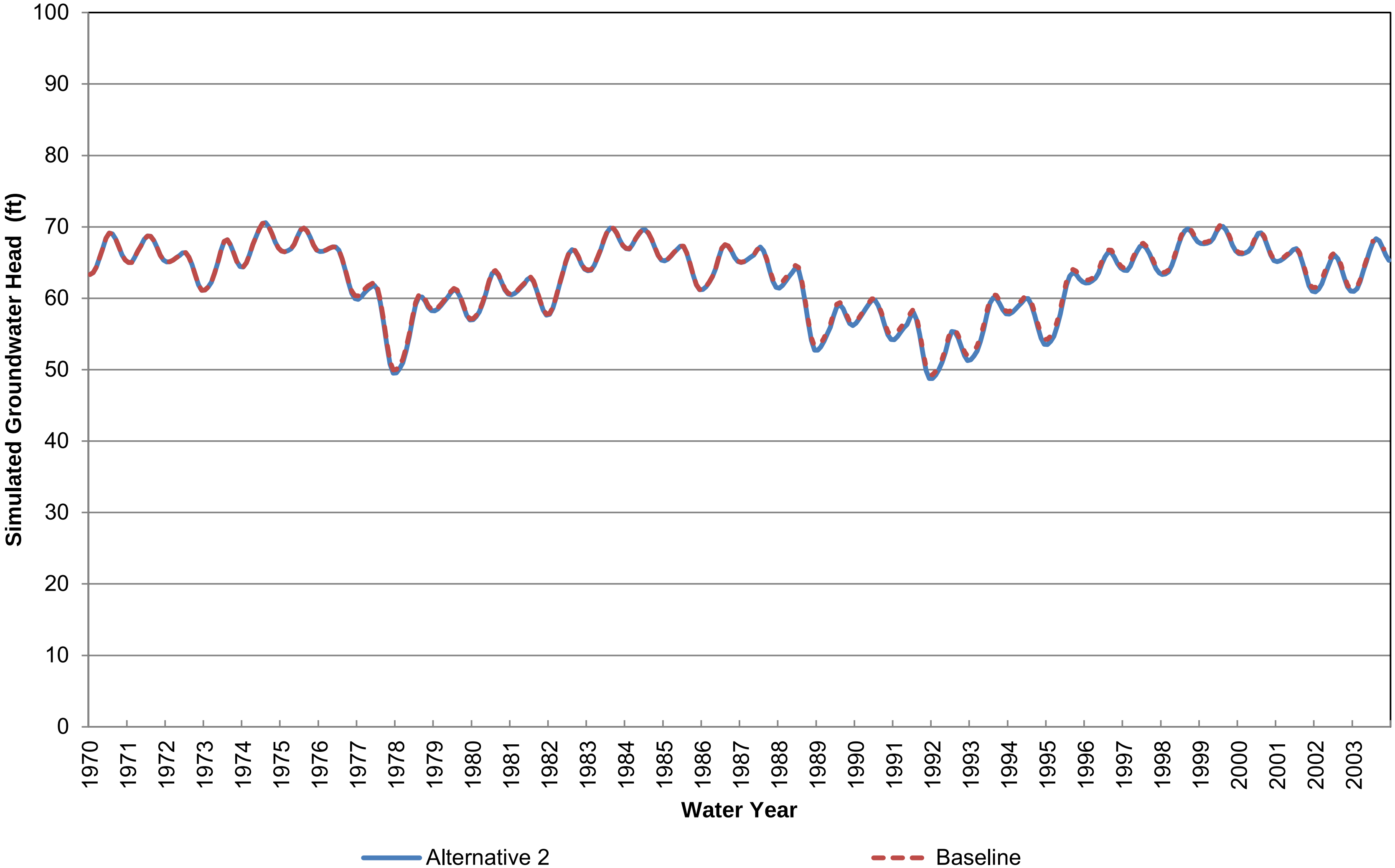
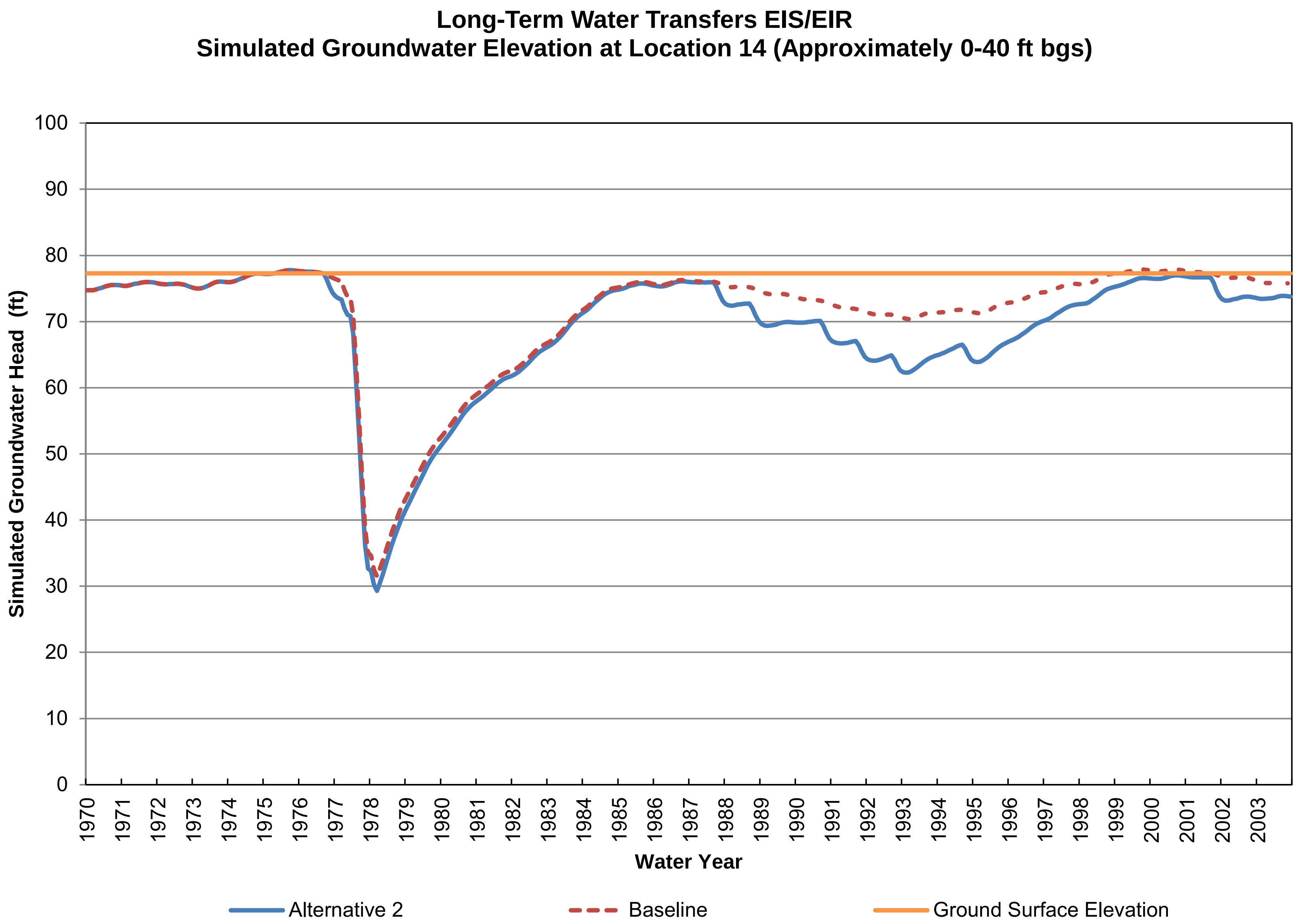
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 13 (Approximately 930-1280 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 14 (Approximately 0-40 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1989
1990
1991
1992
1993
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1995
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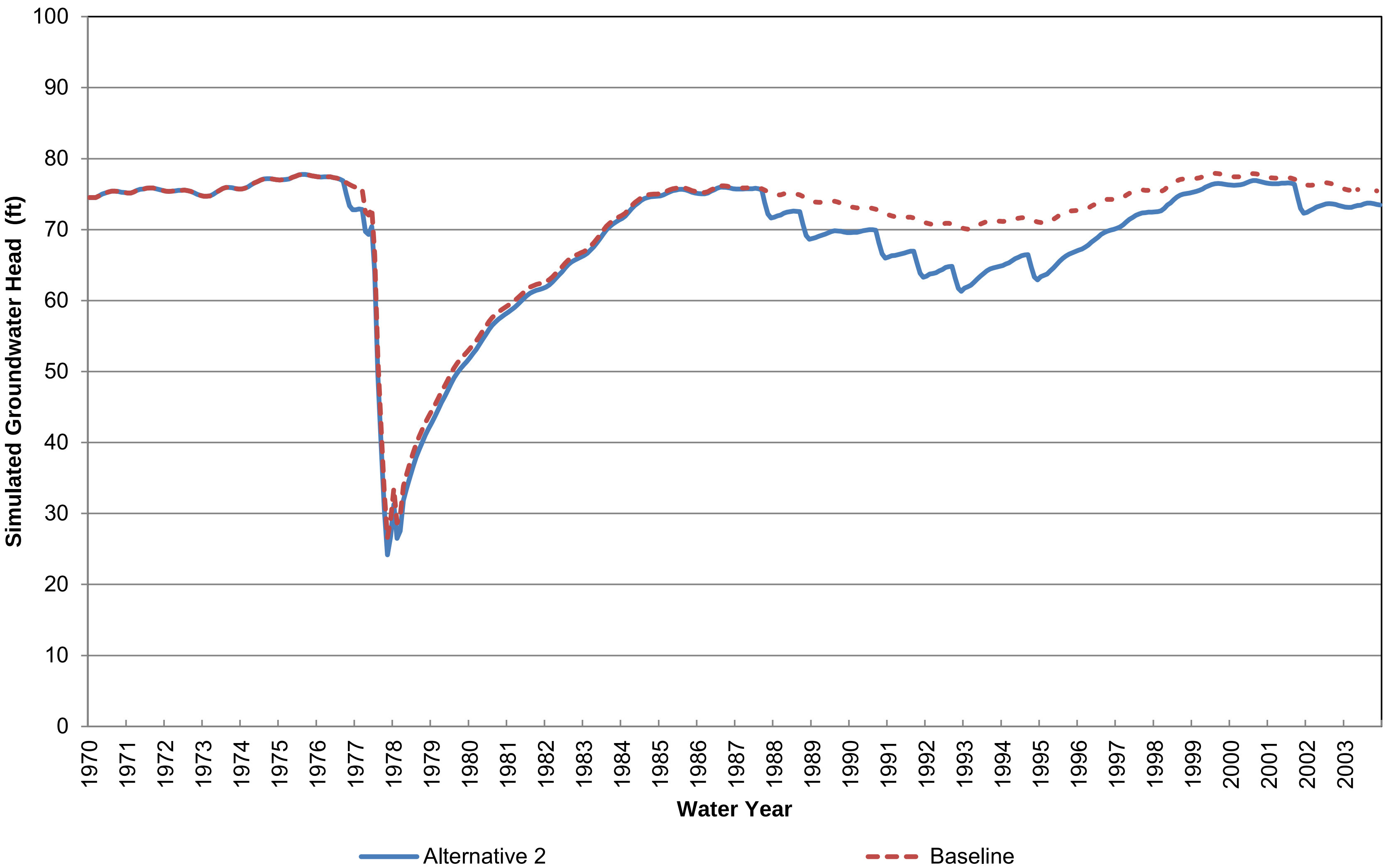
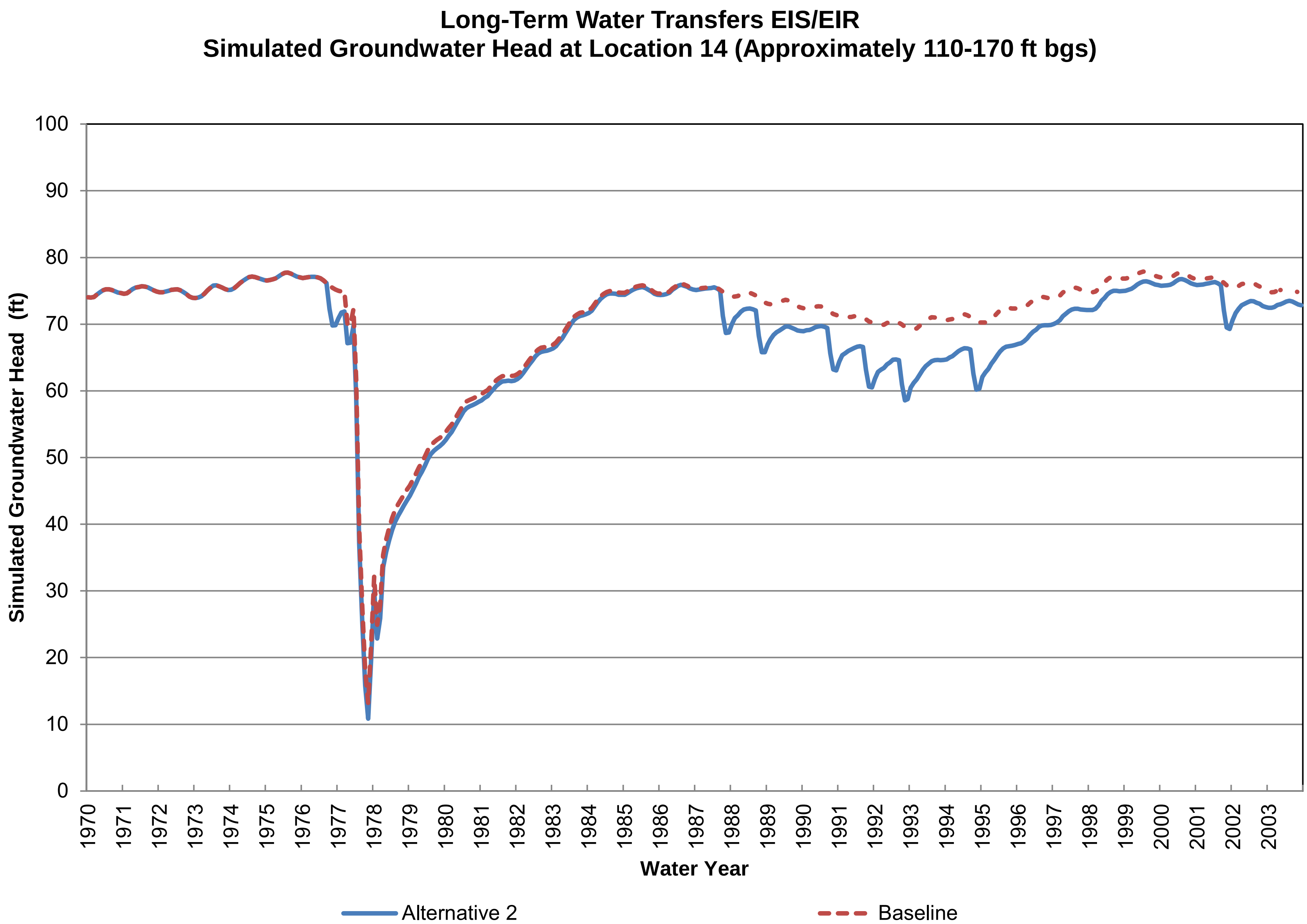
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 14 (Approximately 40-110 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 14 (Approximately 110-170 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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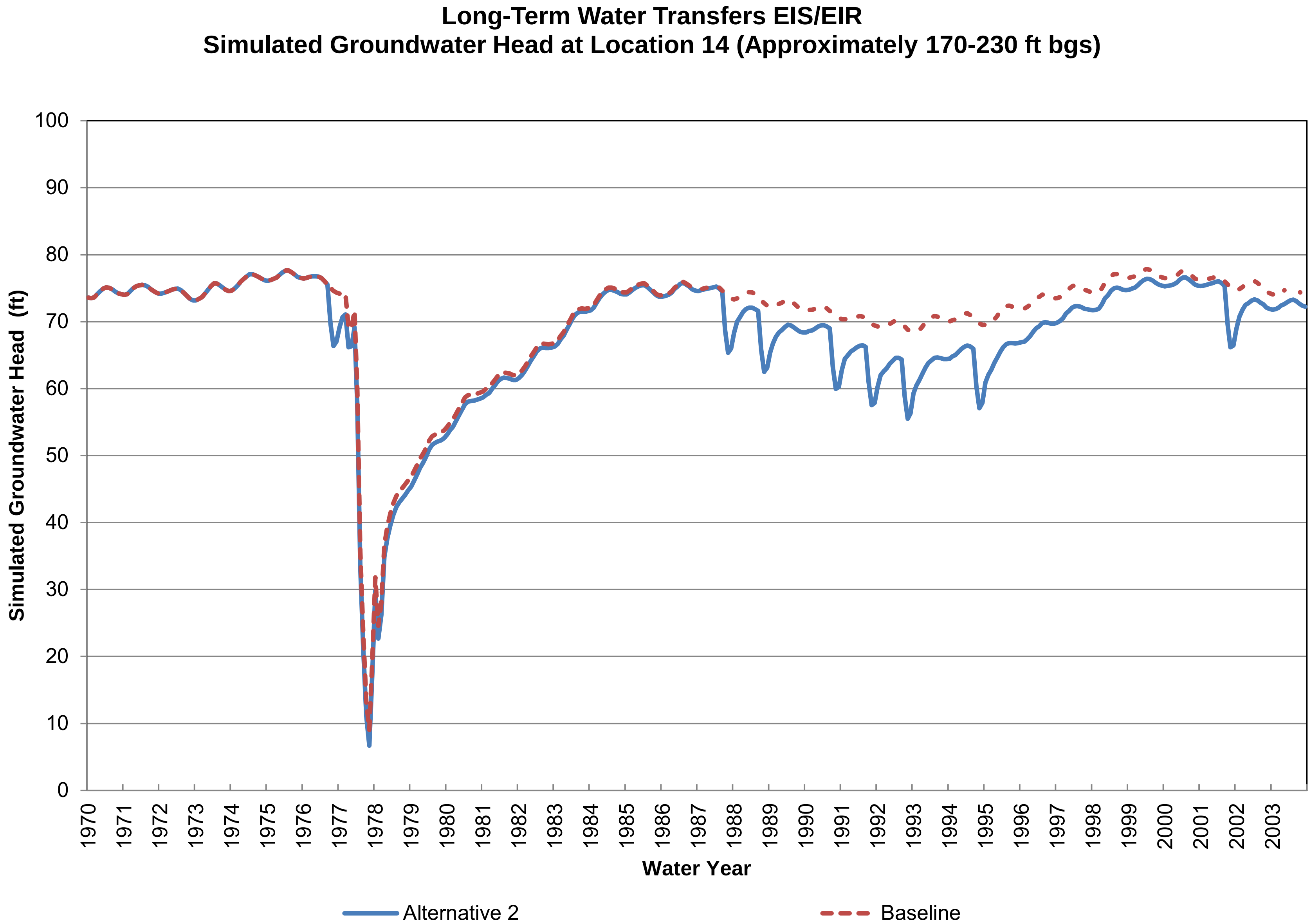
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 14 (Approximately 170-230 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1988
1989
1990
1991
1992
1993
1994
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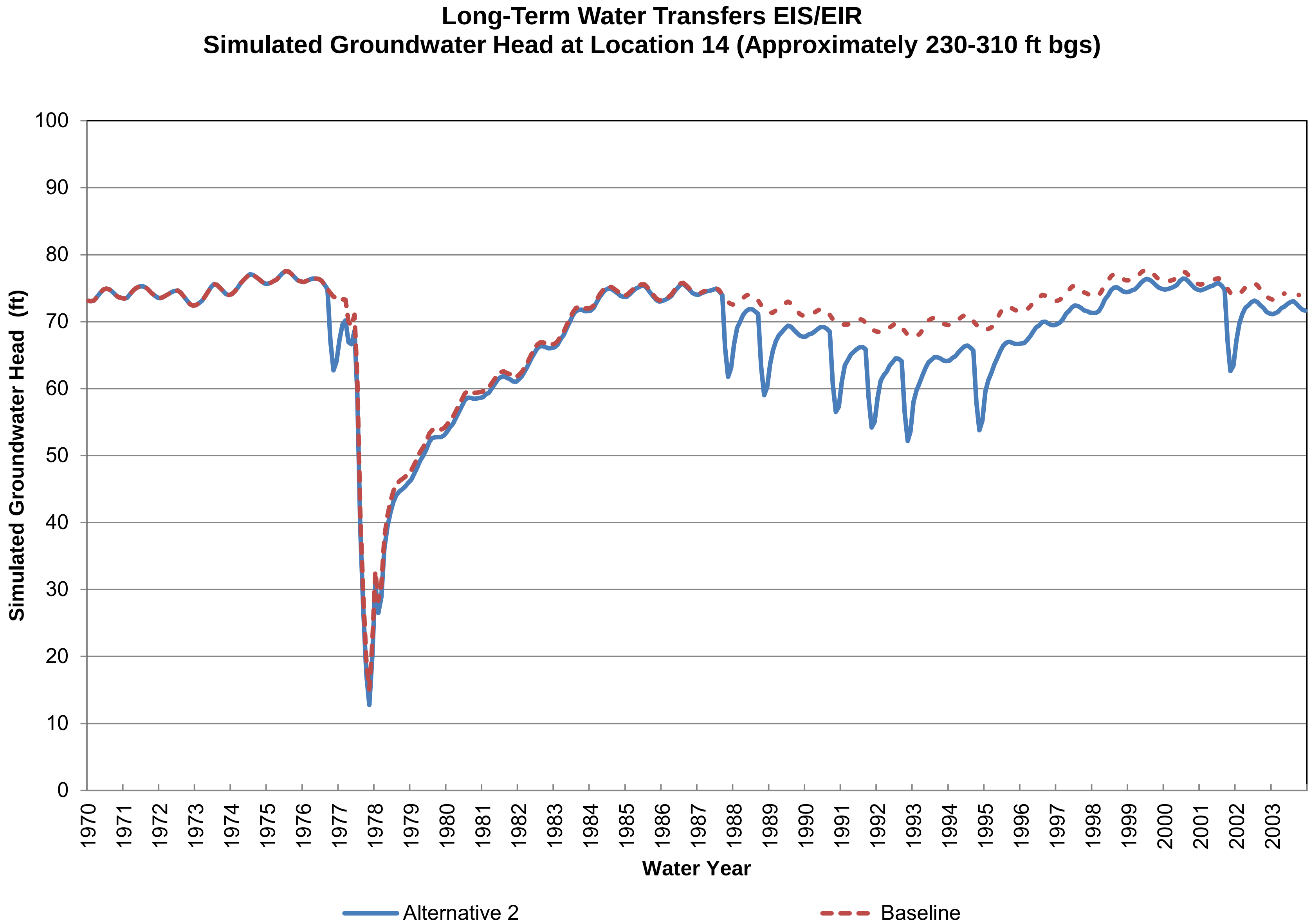
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 14 (Approximately 230-310 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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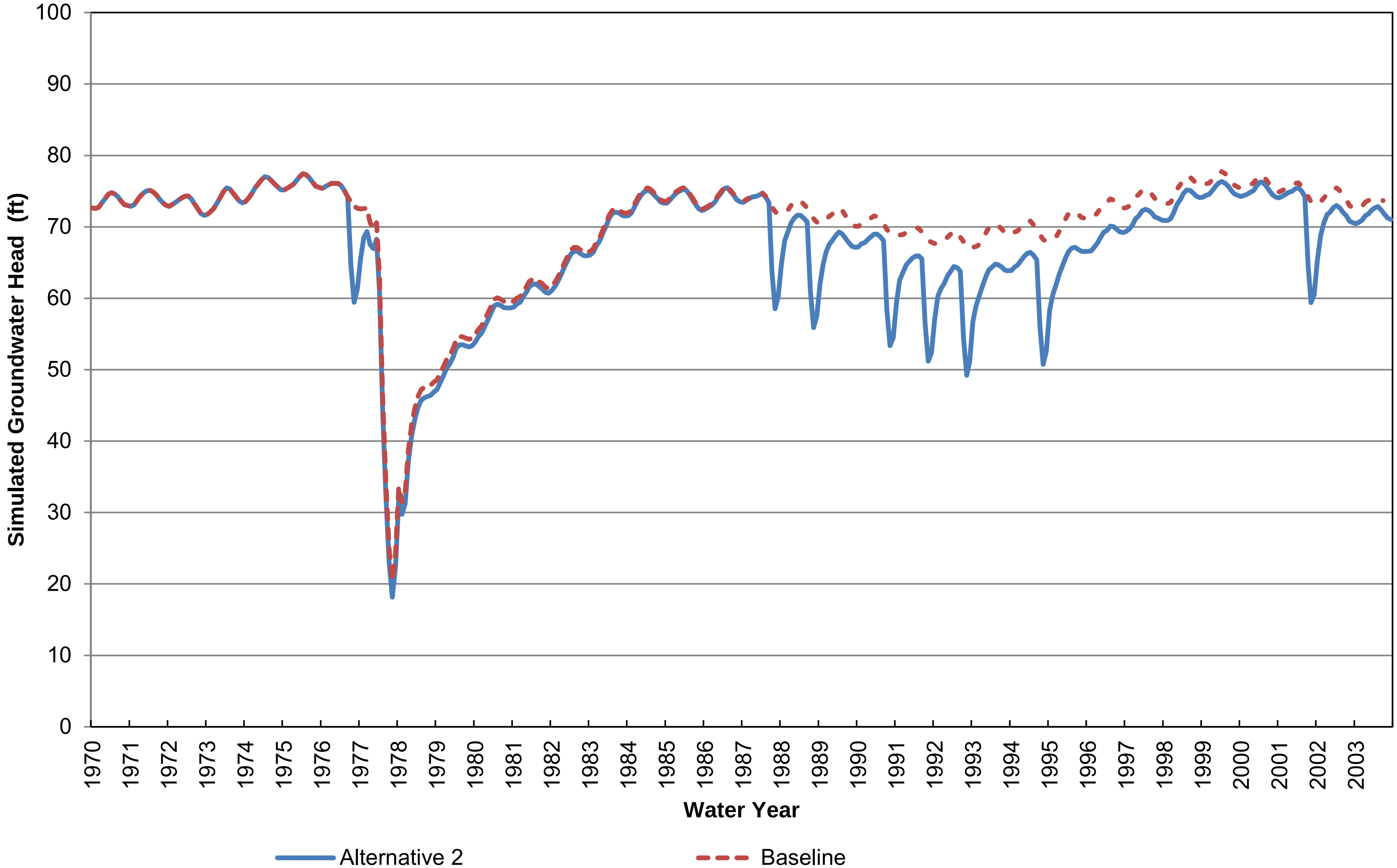
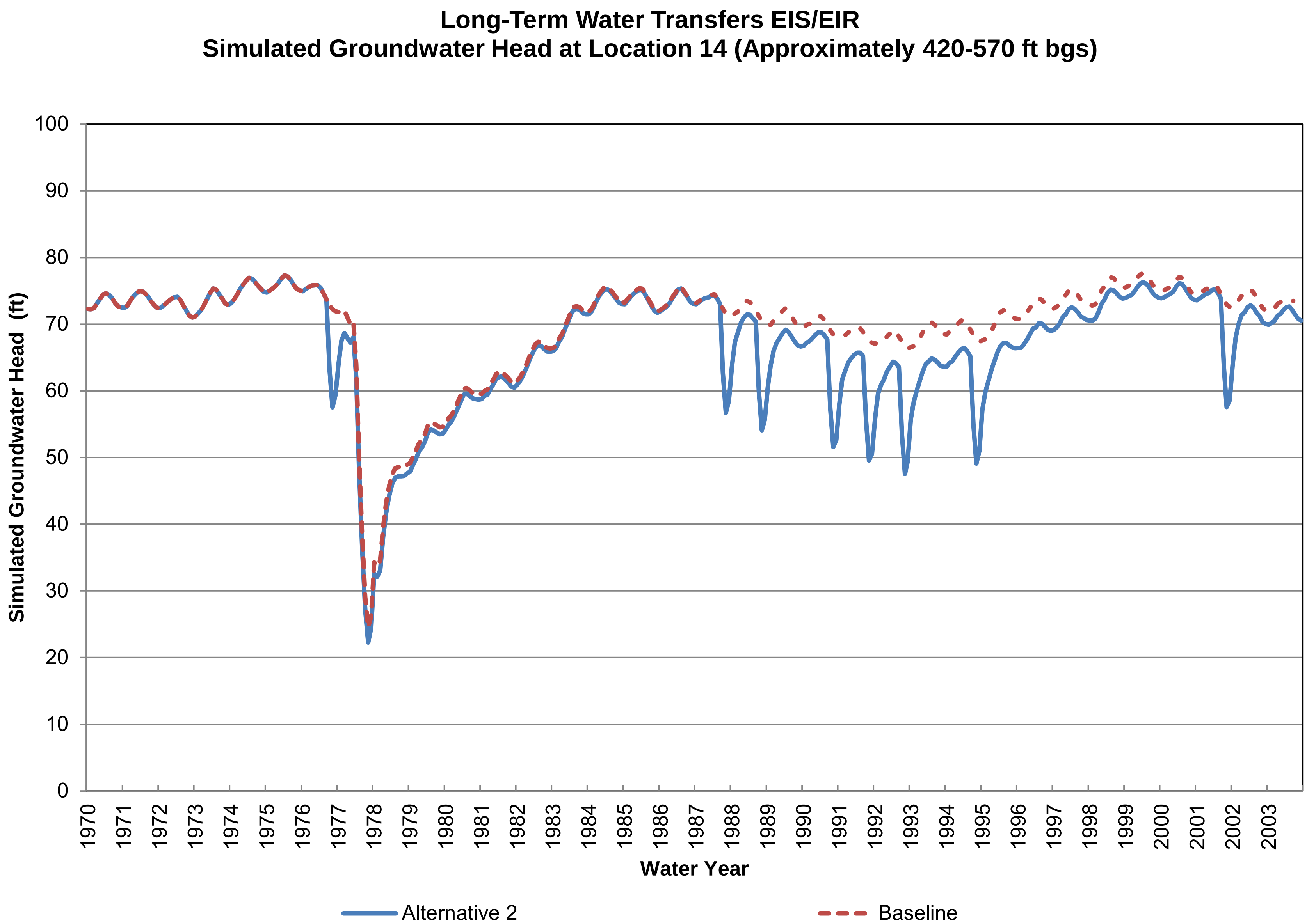
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 14 (Approximately 310-420 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 14 (Approximately 420-570 ft bgs)
Simulated Groundwater Head (ft)
100
90
80
70
60
50
40
30
20
10
0
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1990
1991
1992
1993
1994
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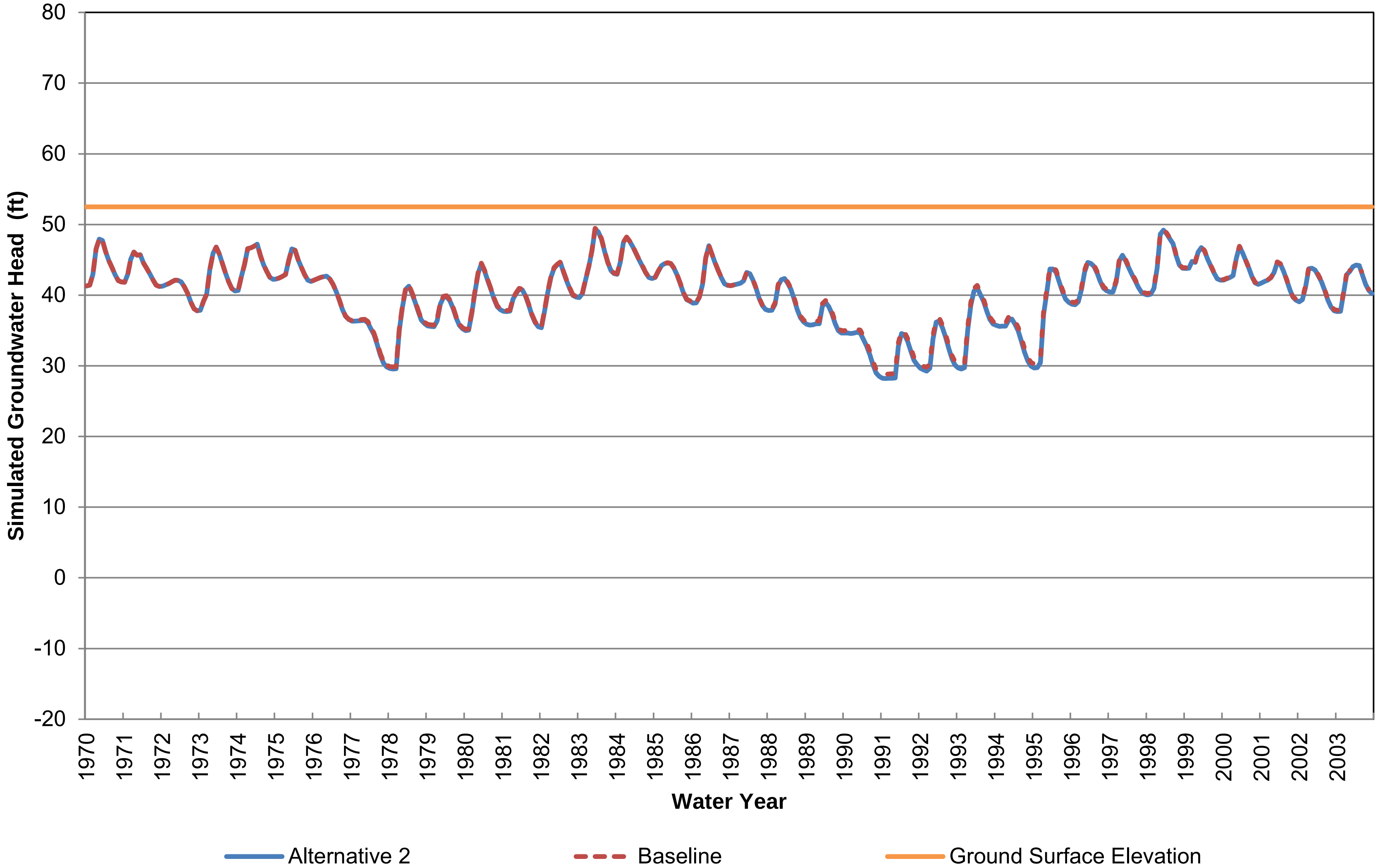
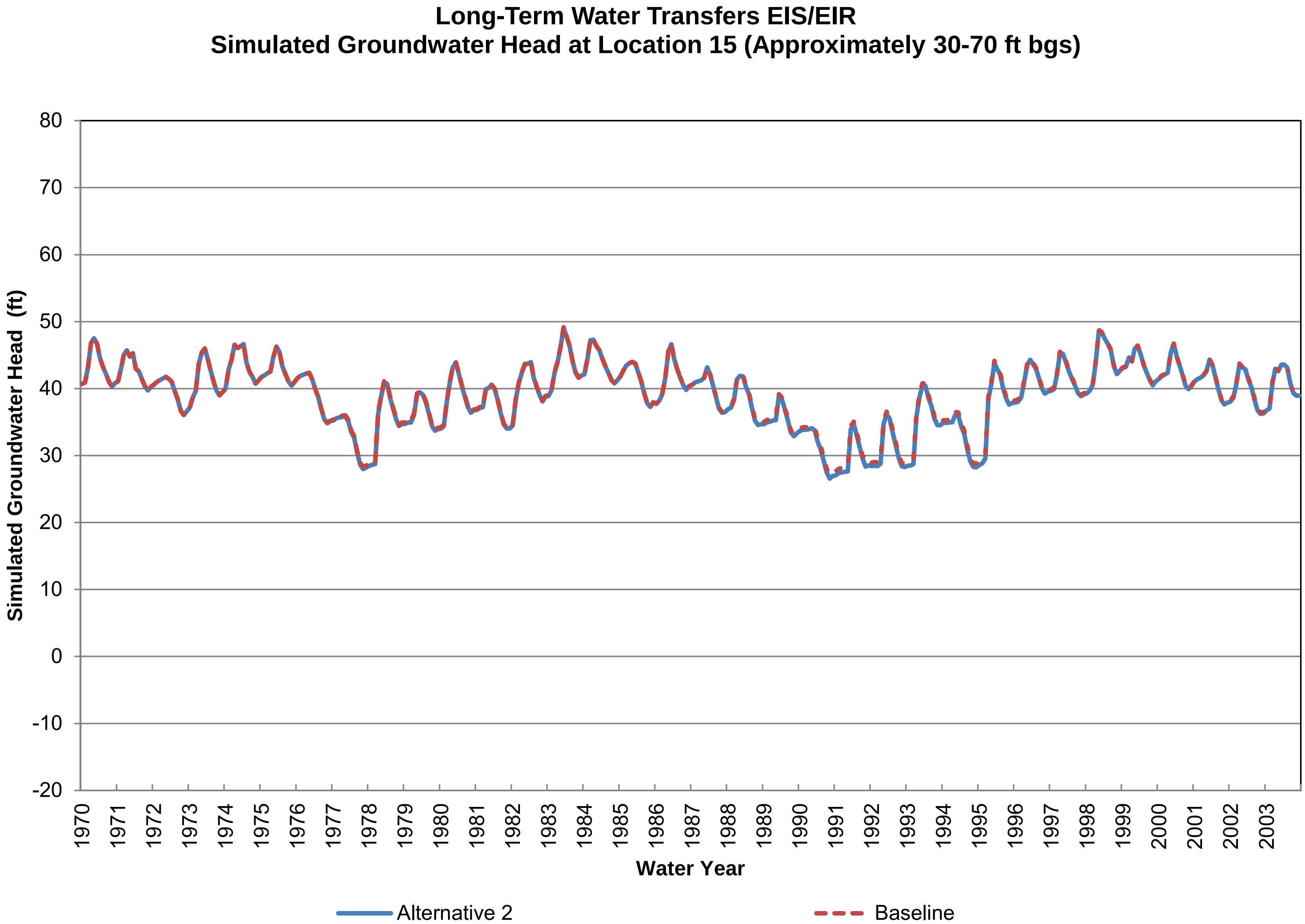
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 15 (Approximately 0-30 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 15 (Approximately 30-70 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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1987
1988
1989
1990
1991
1992
1993
1994
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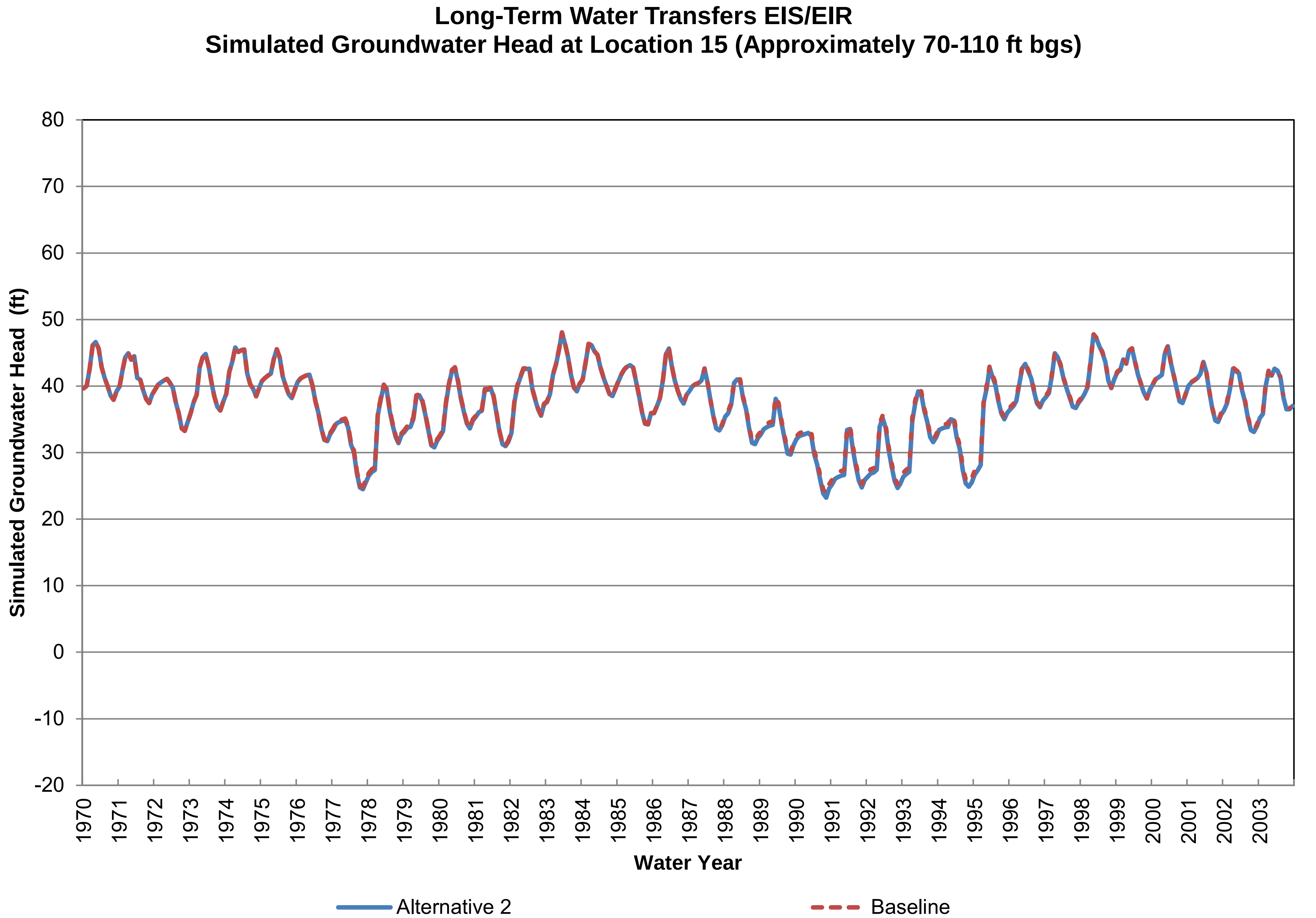
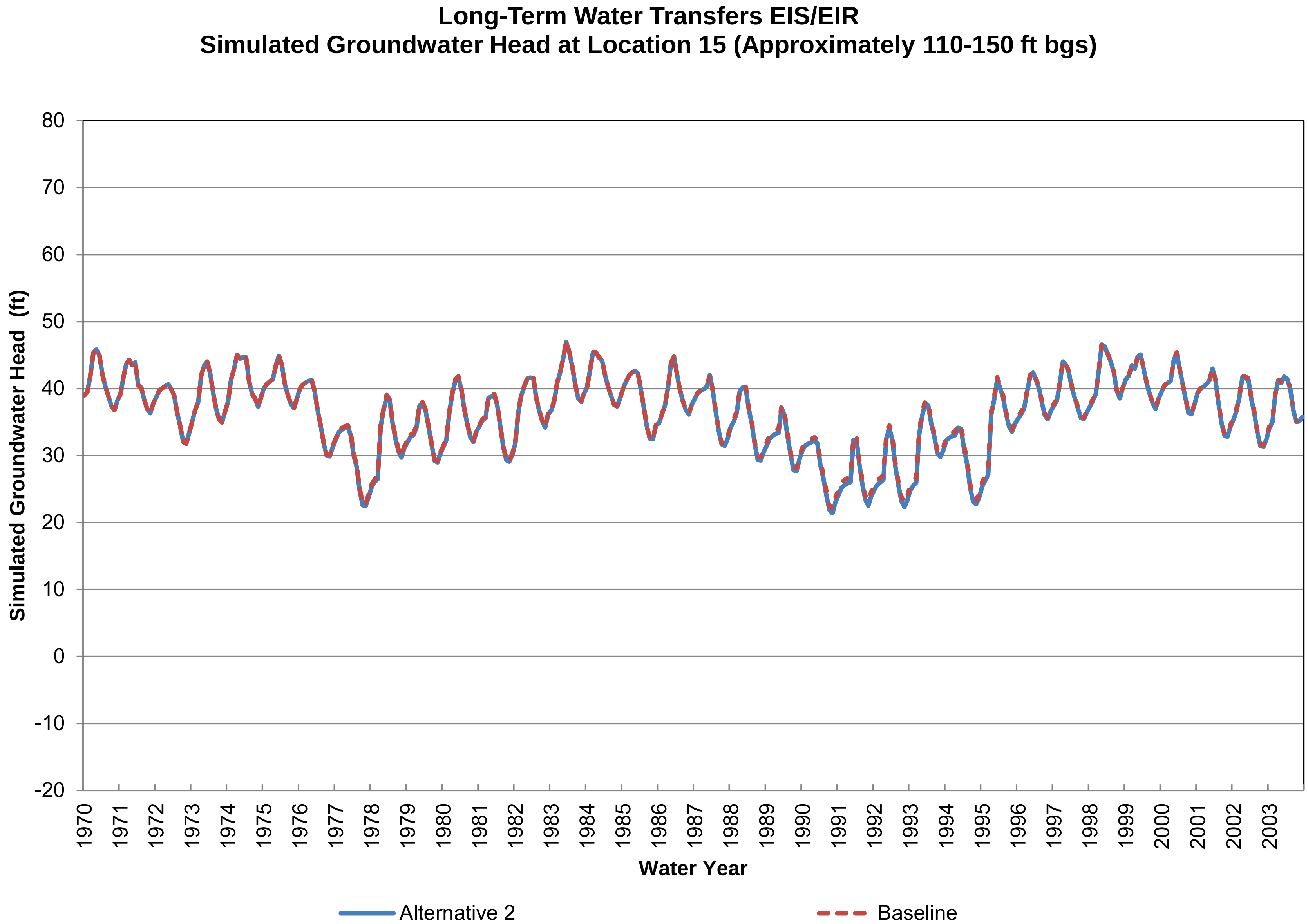
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 15 (Approximately 70-110 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 15 (Approximately 110-150 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
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1989
1990
1991
1992
1993
1994
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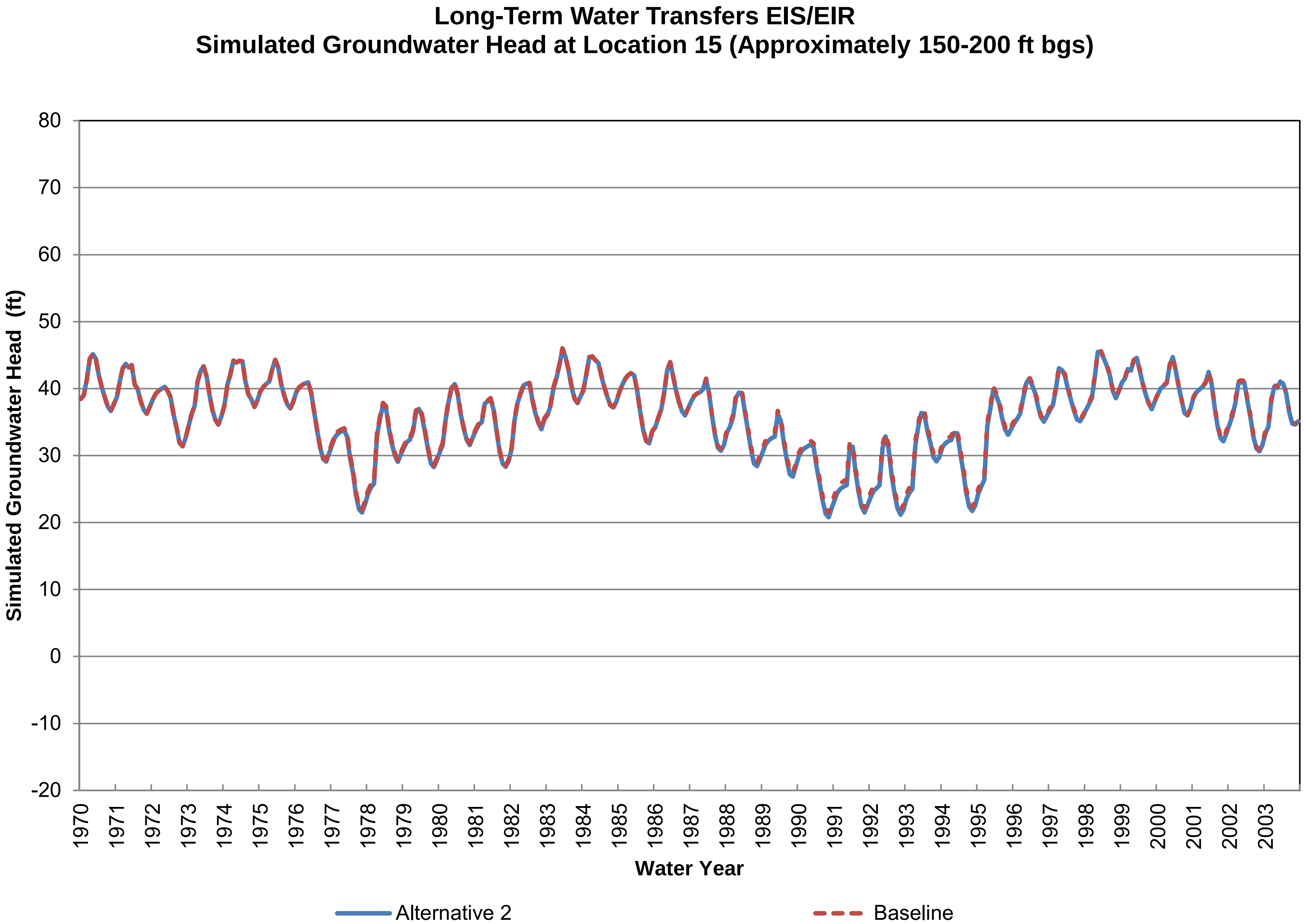
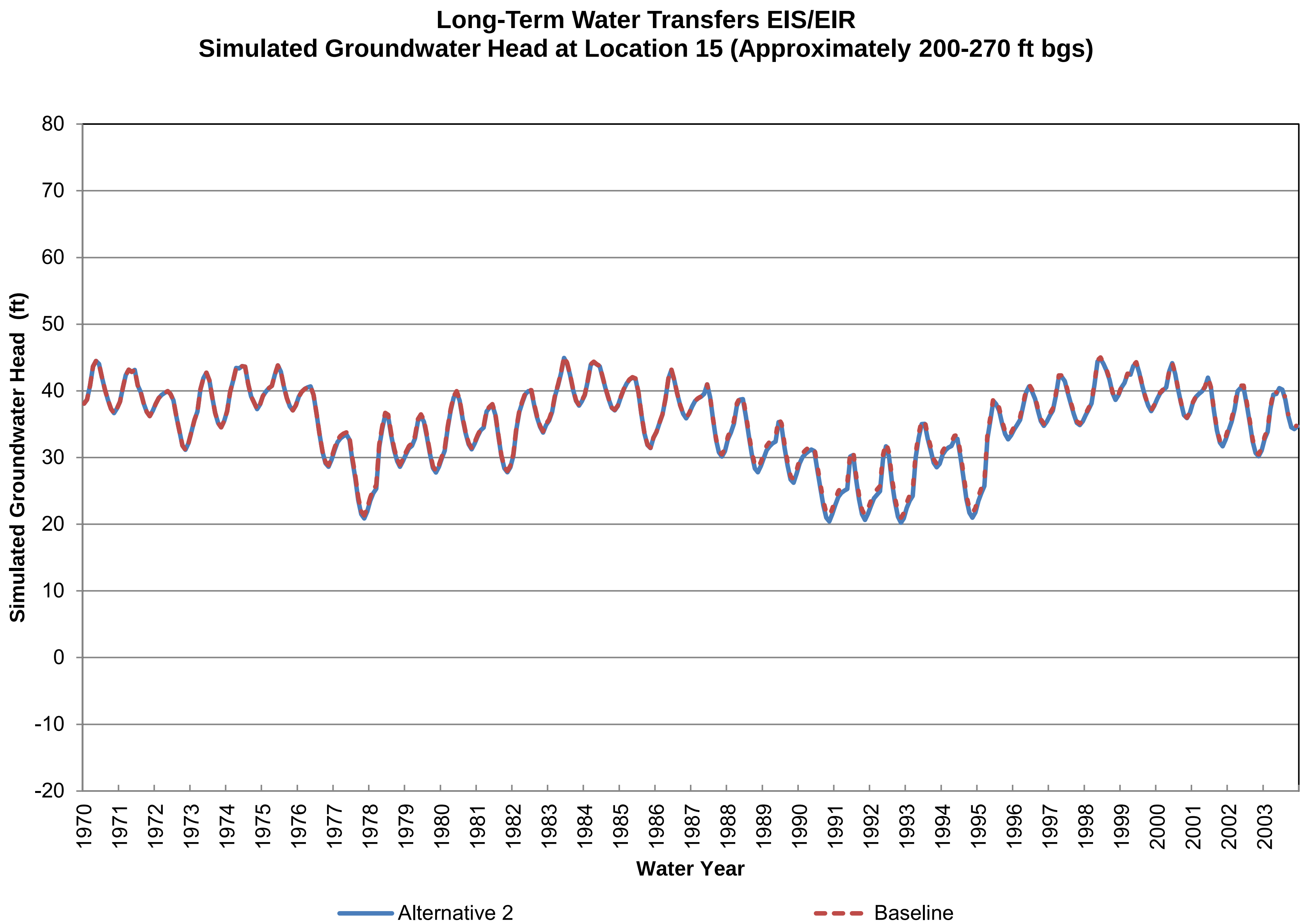
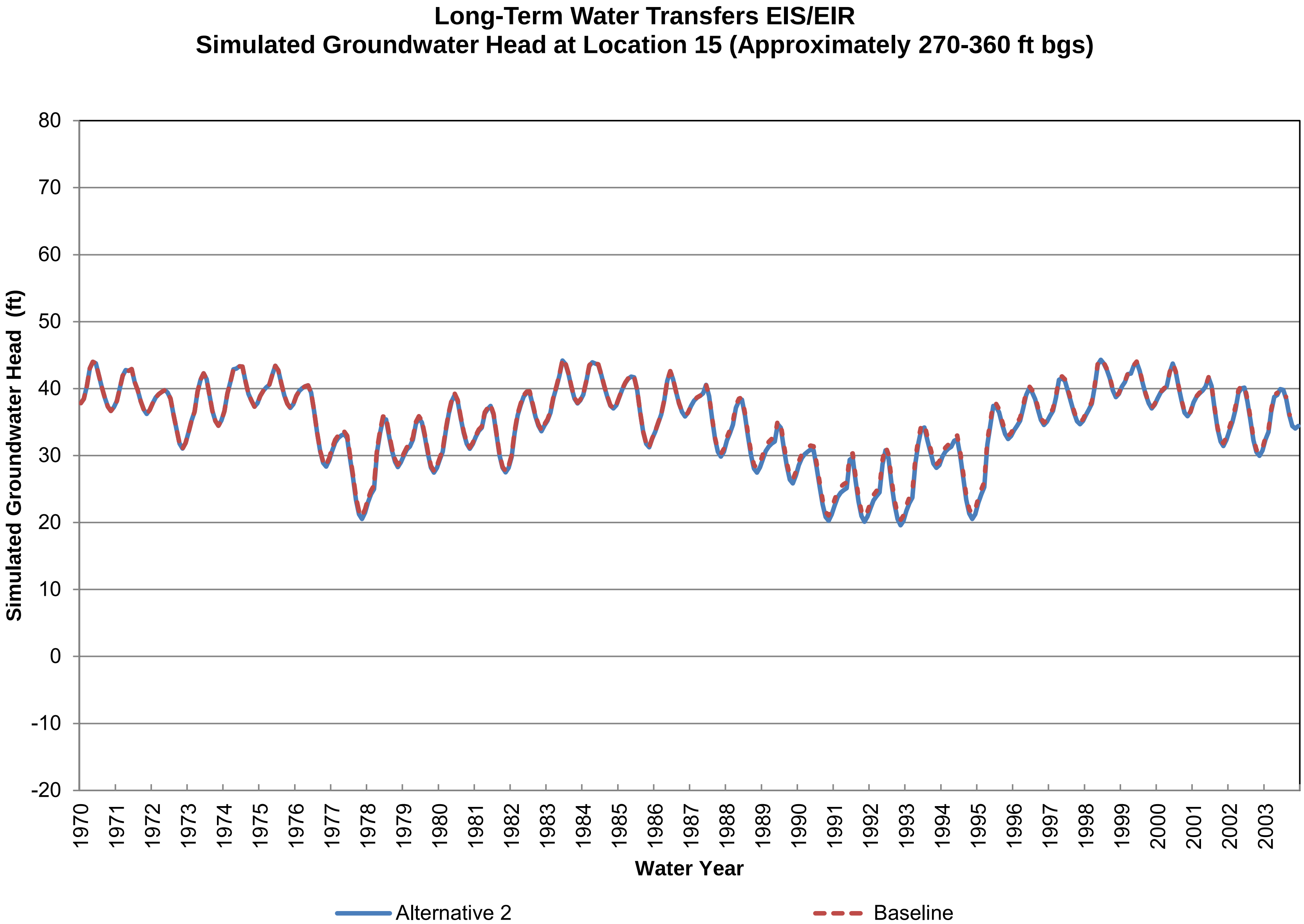
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 15 (Approximately 150-200 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 15 (Approximately 200-270 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 15 (Approximately 270-360 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1986
1987
1988
1989
1990
1991
1992
1993
1994
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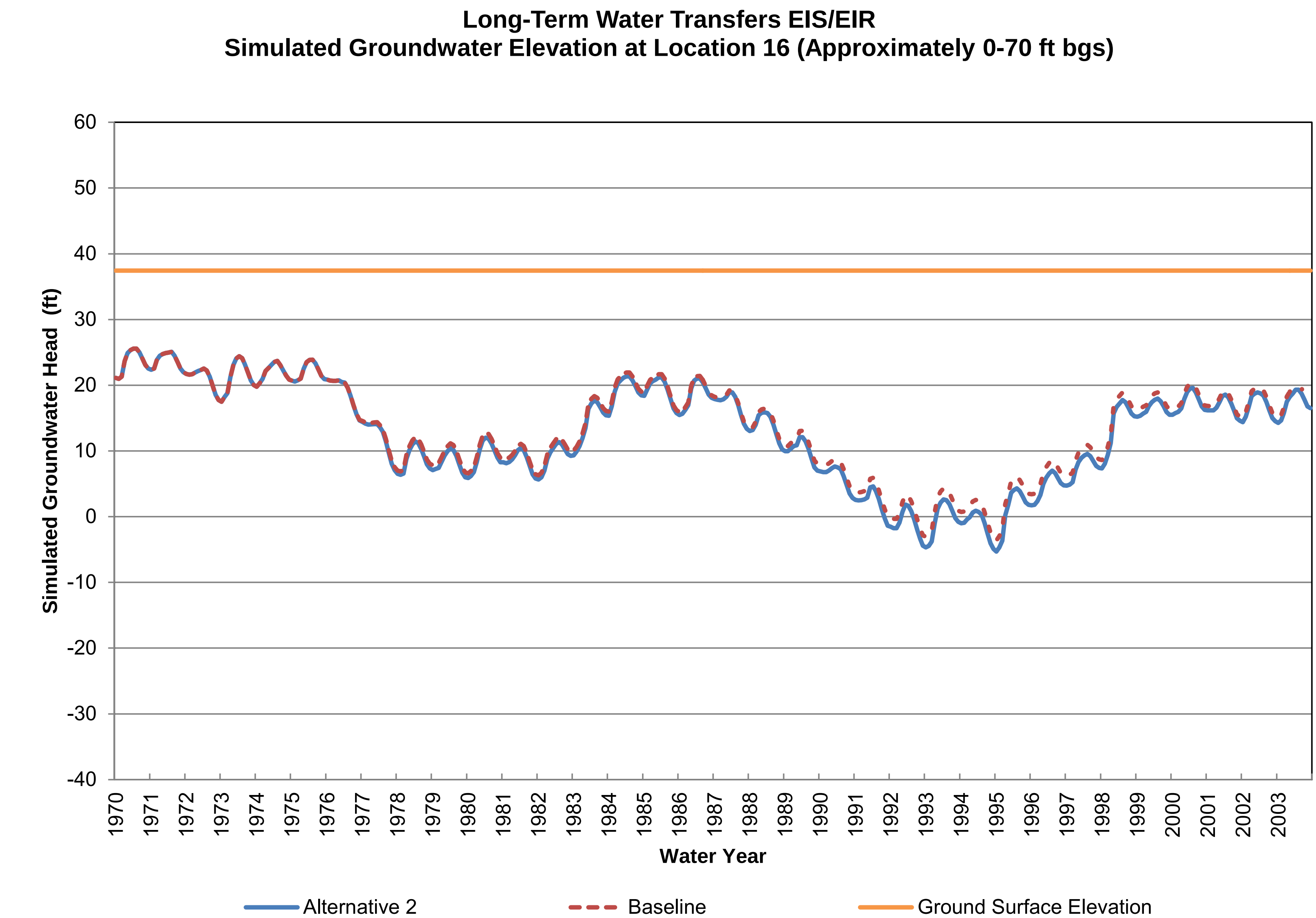
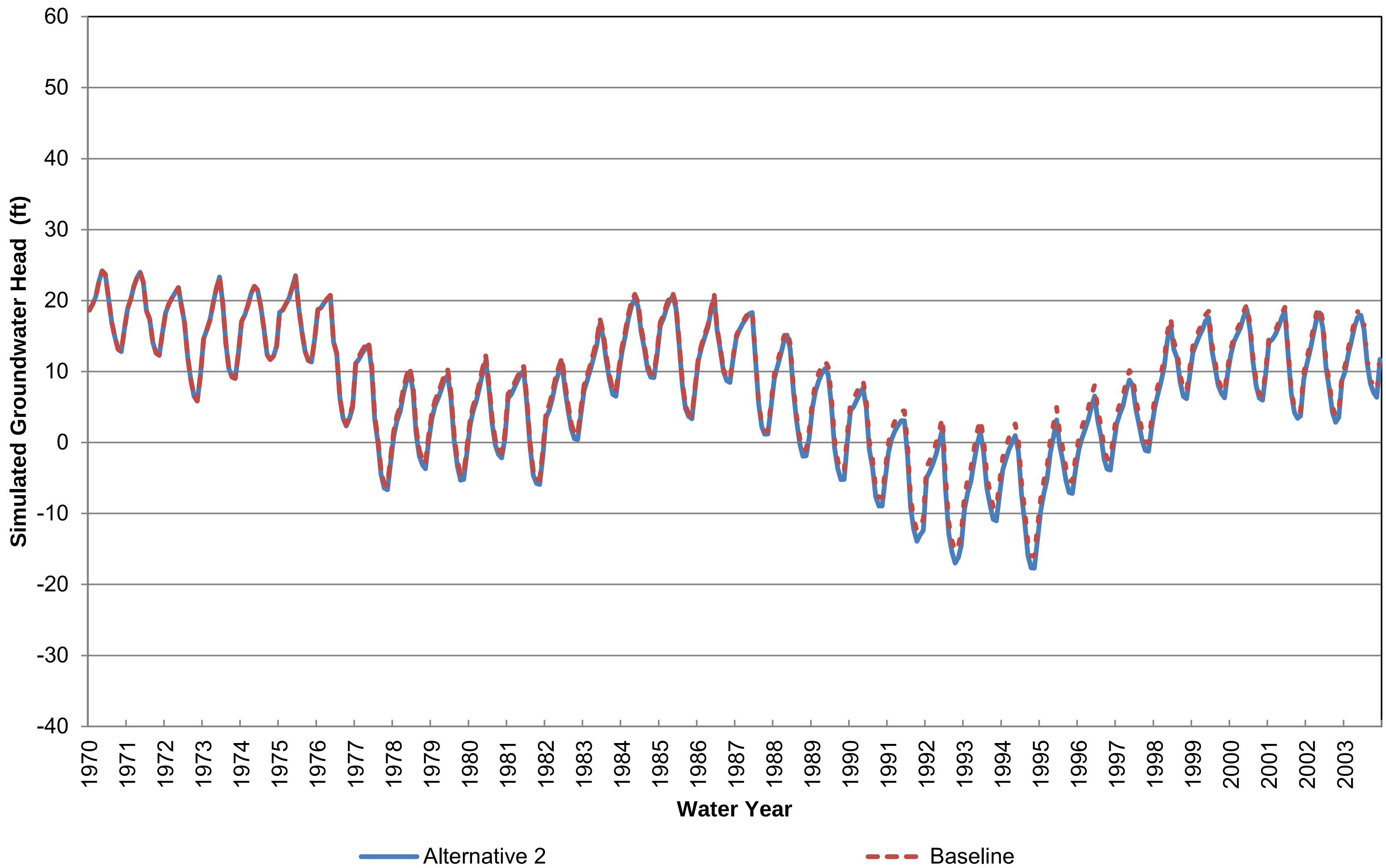
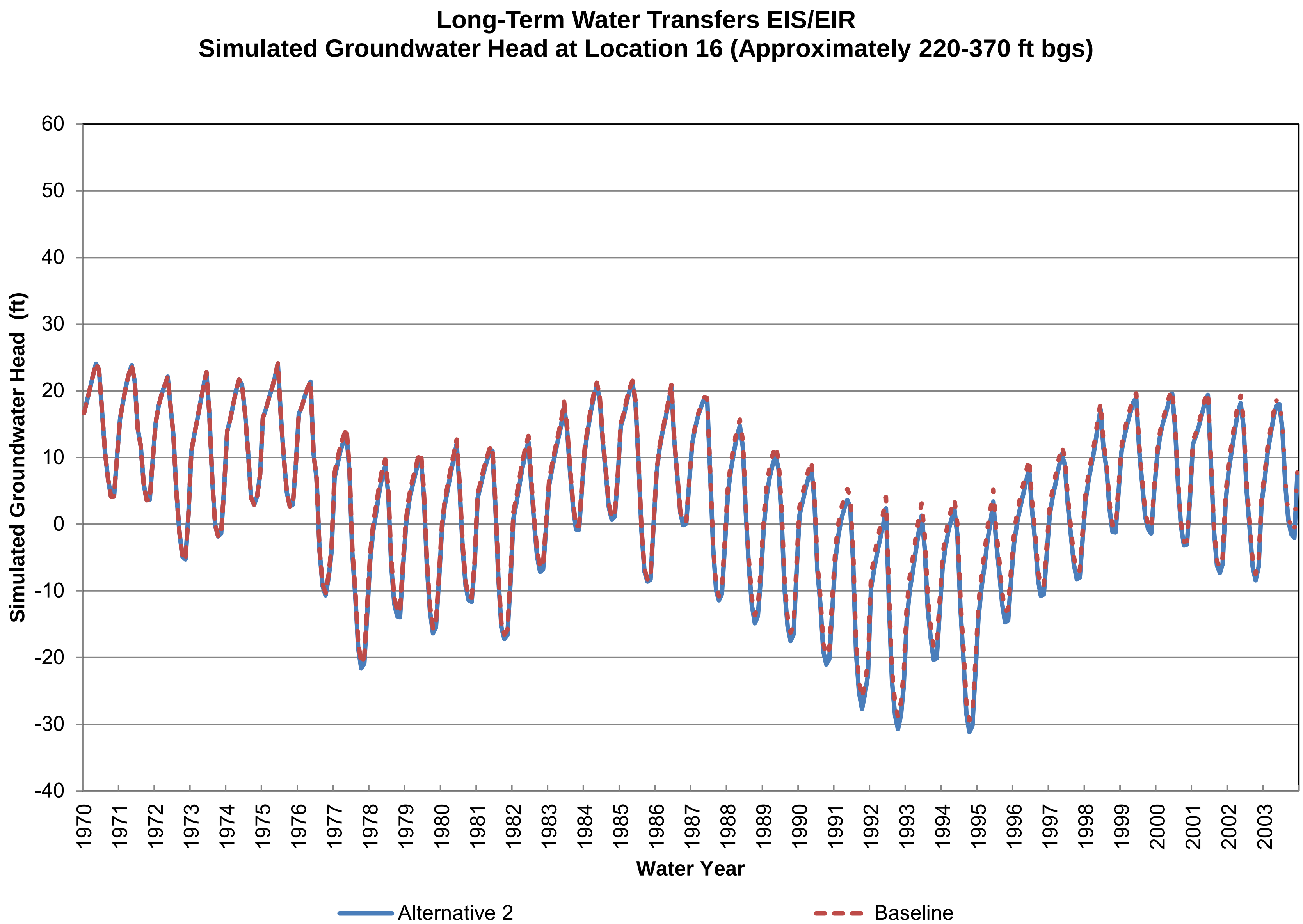
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 16 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 16 (Approximately 70-220 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 16 (Approximately 220-370 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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1986
1987
1988
1989
1990
1991
1992
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1994
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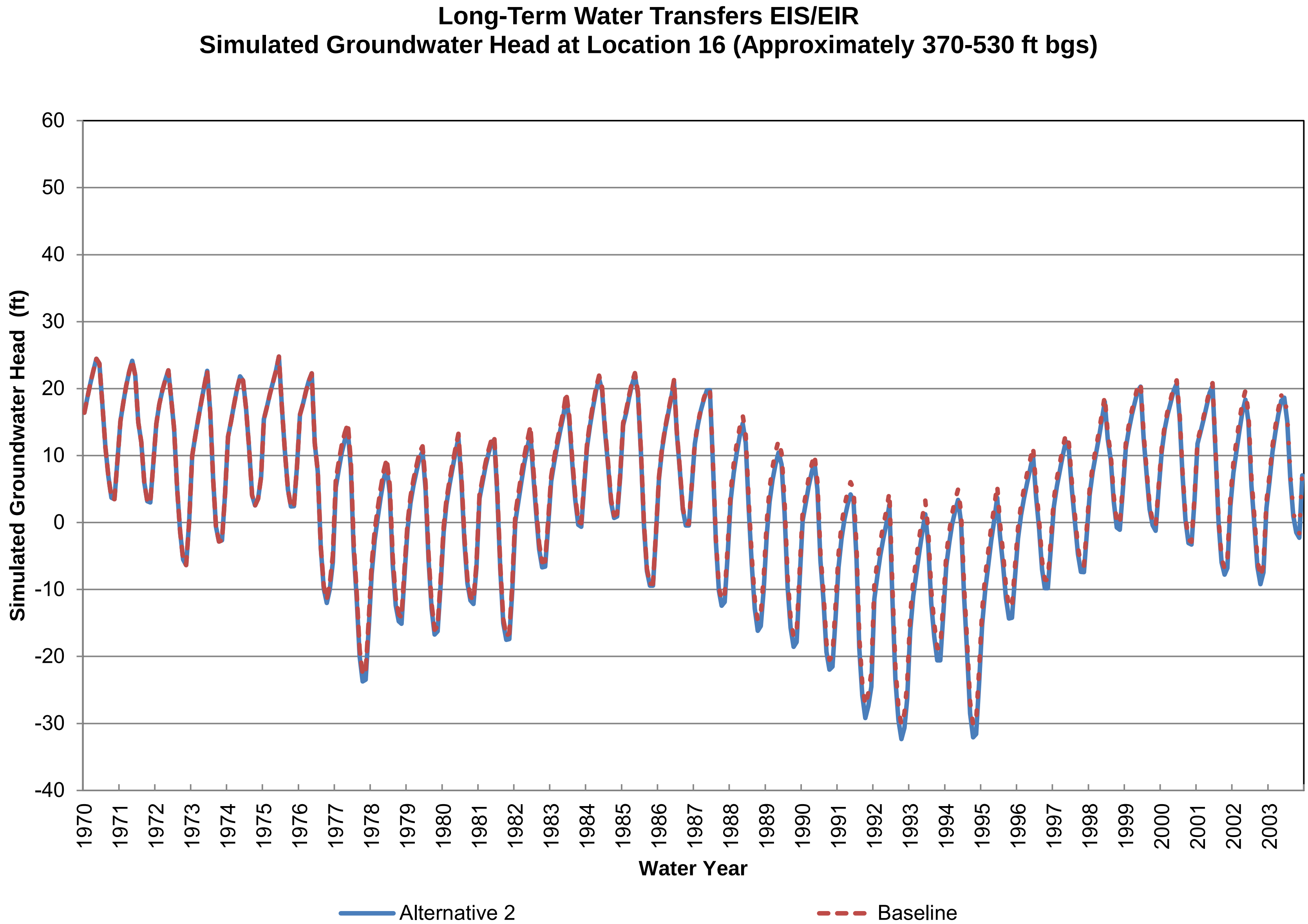
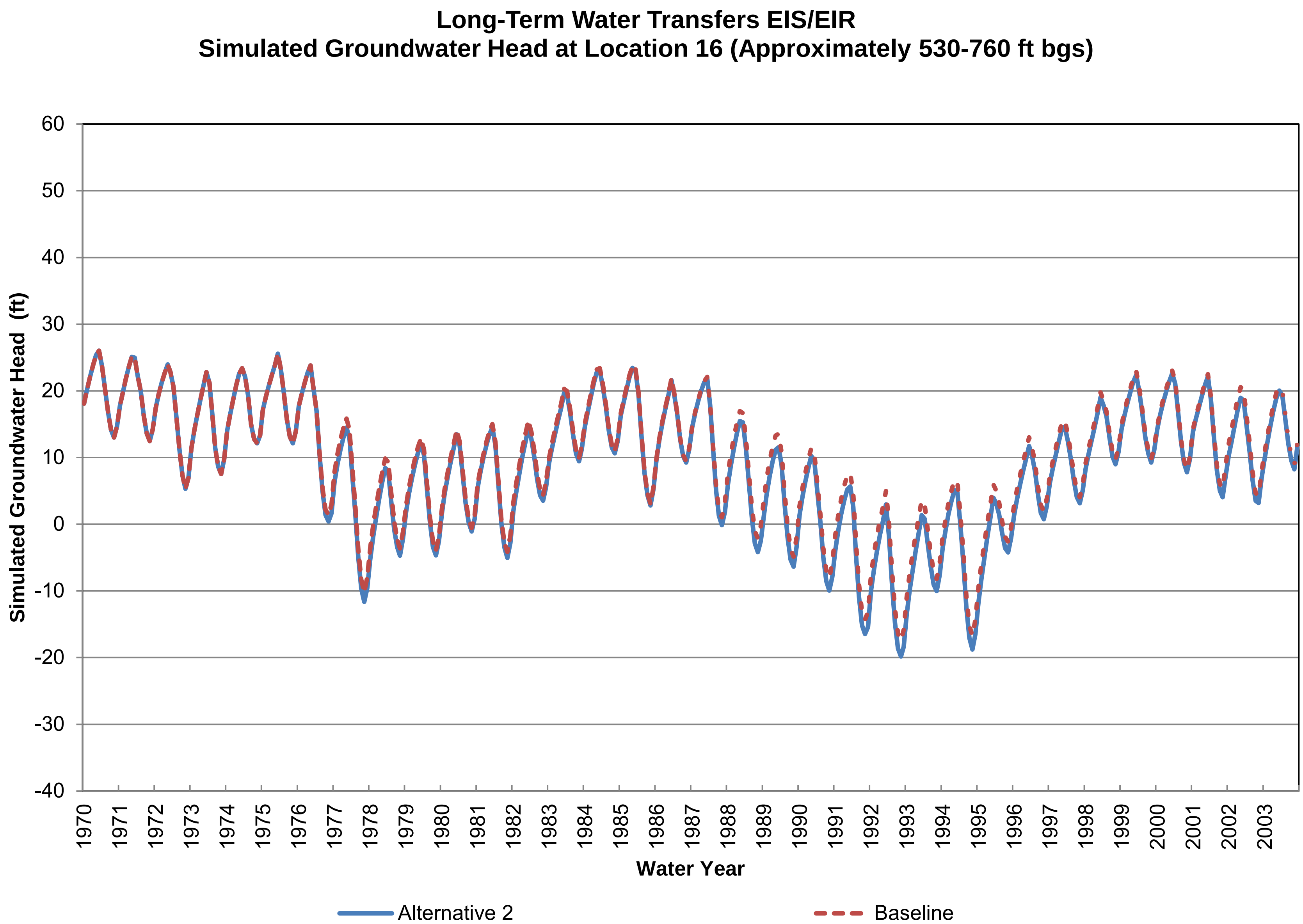
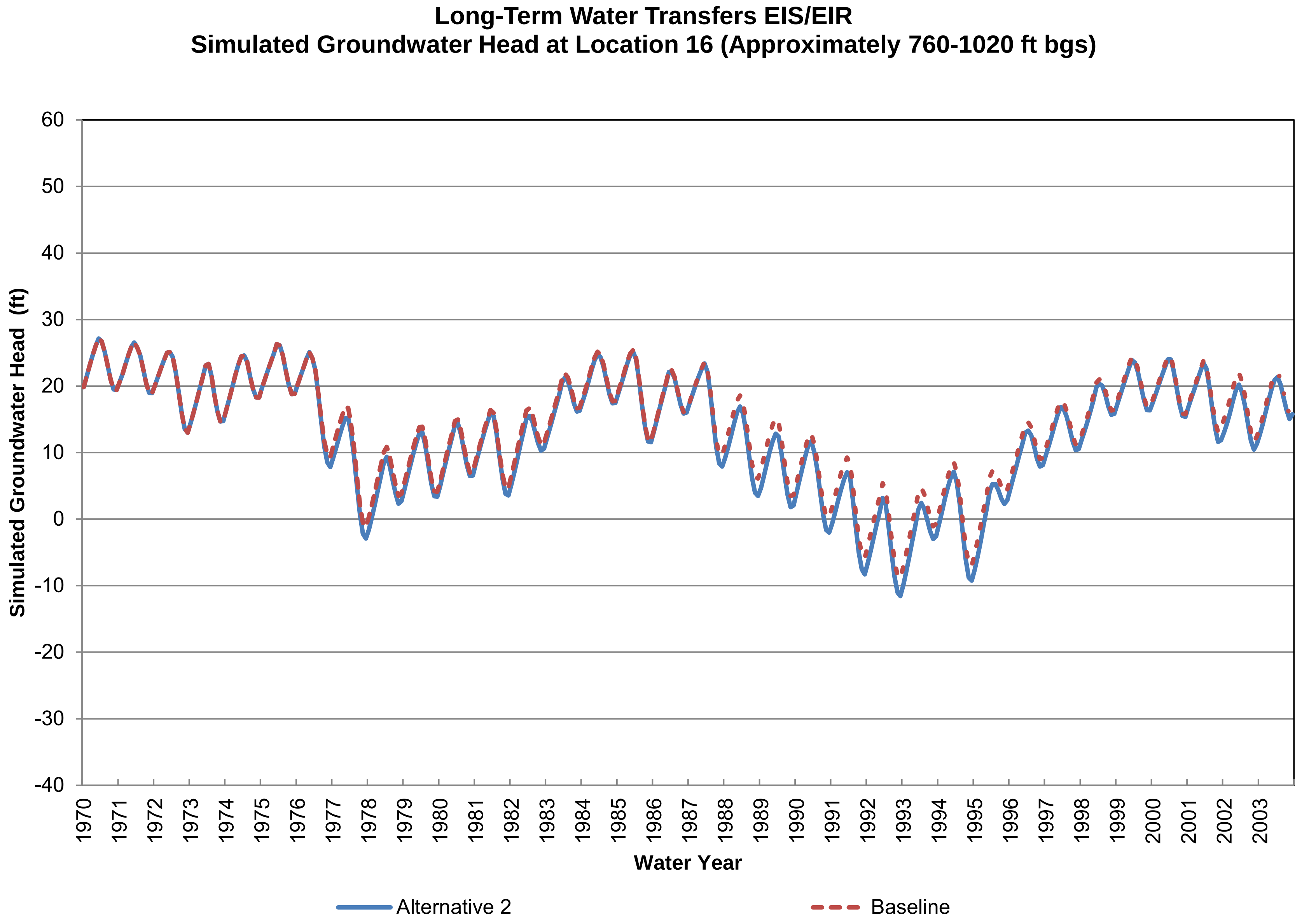
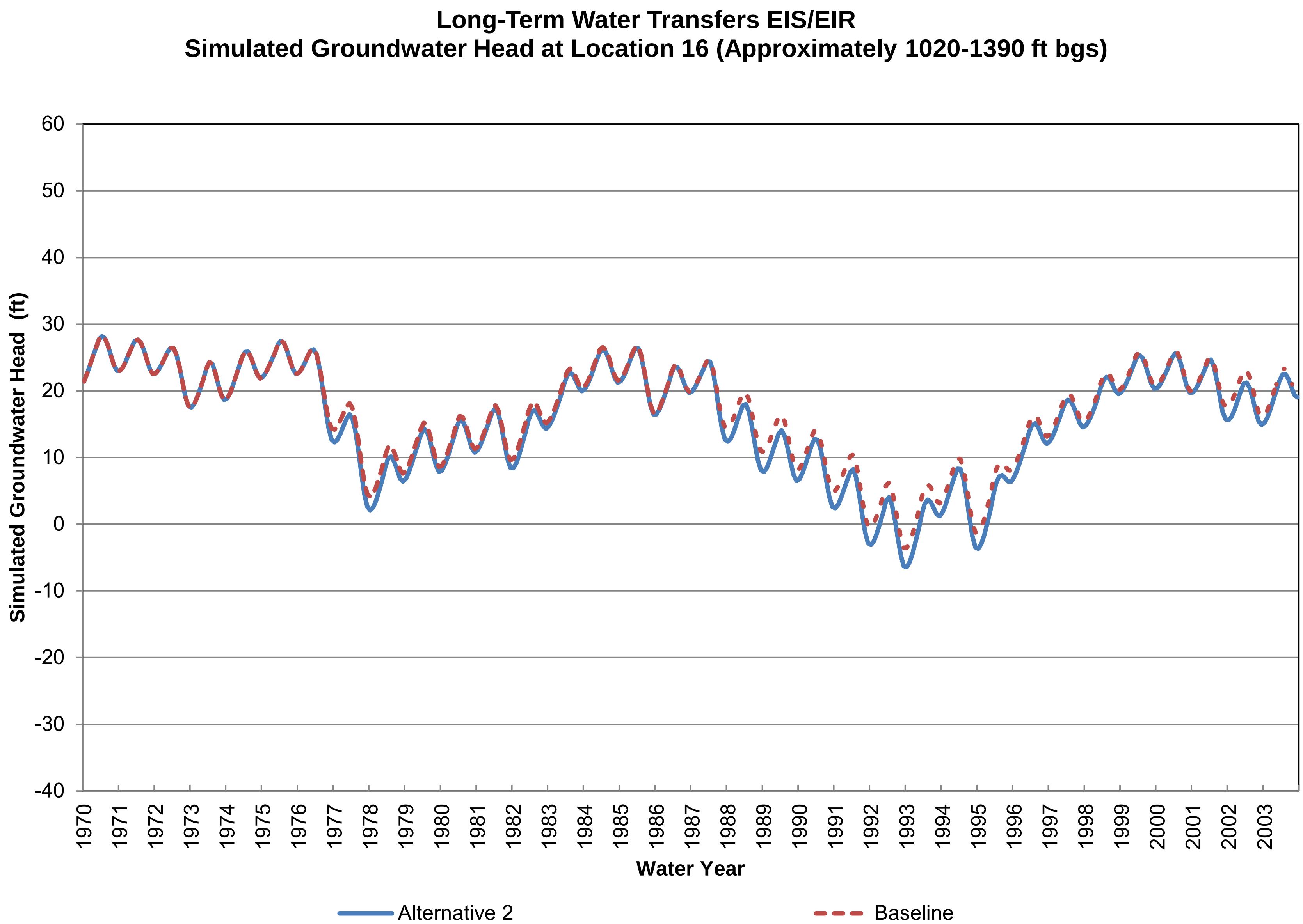
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

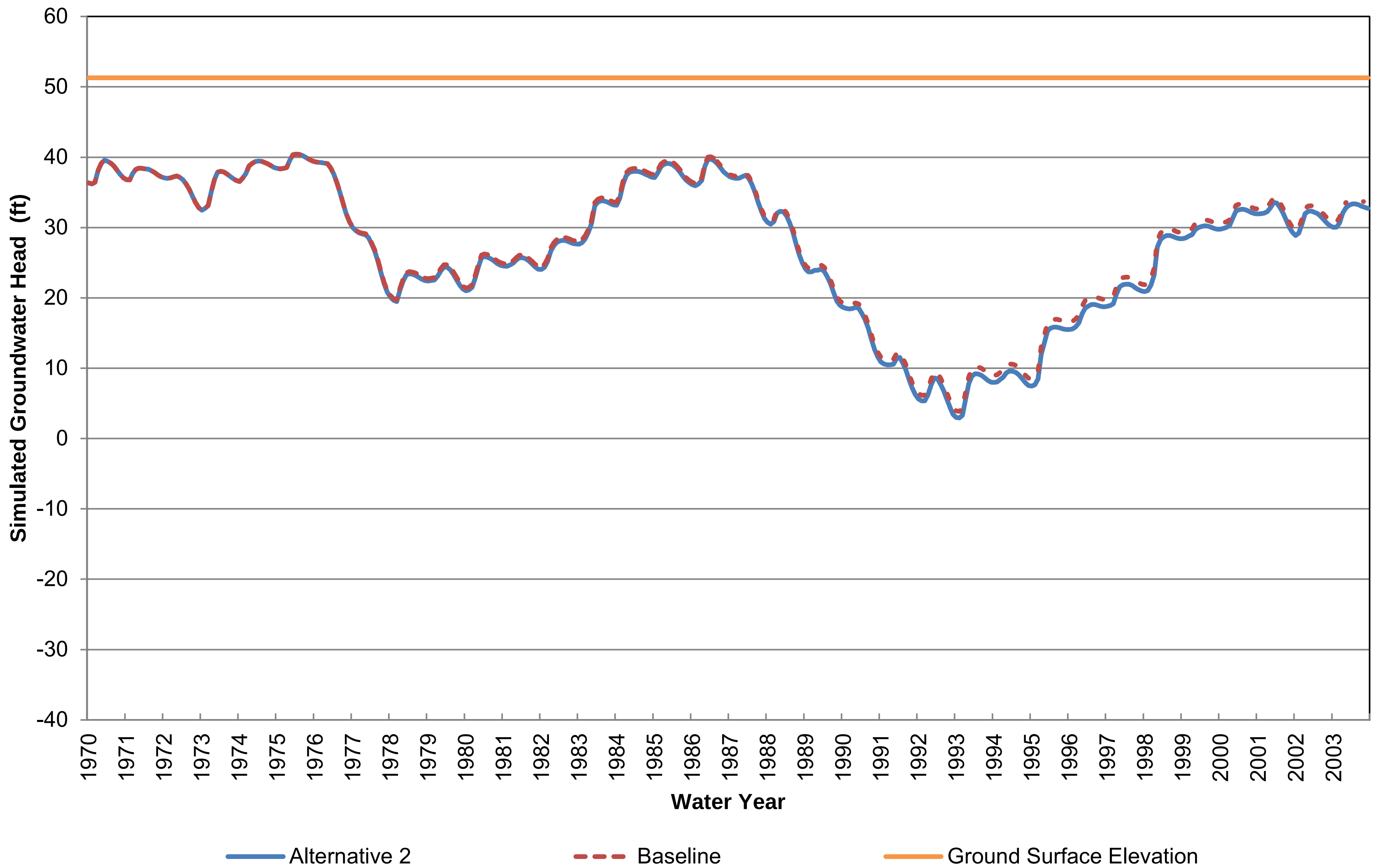

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 16 (Approximately 370-530 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

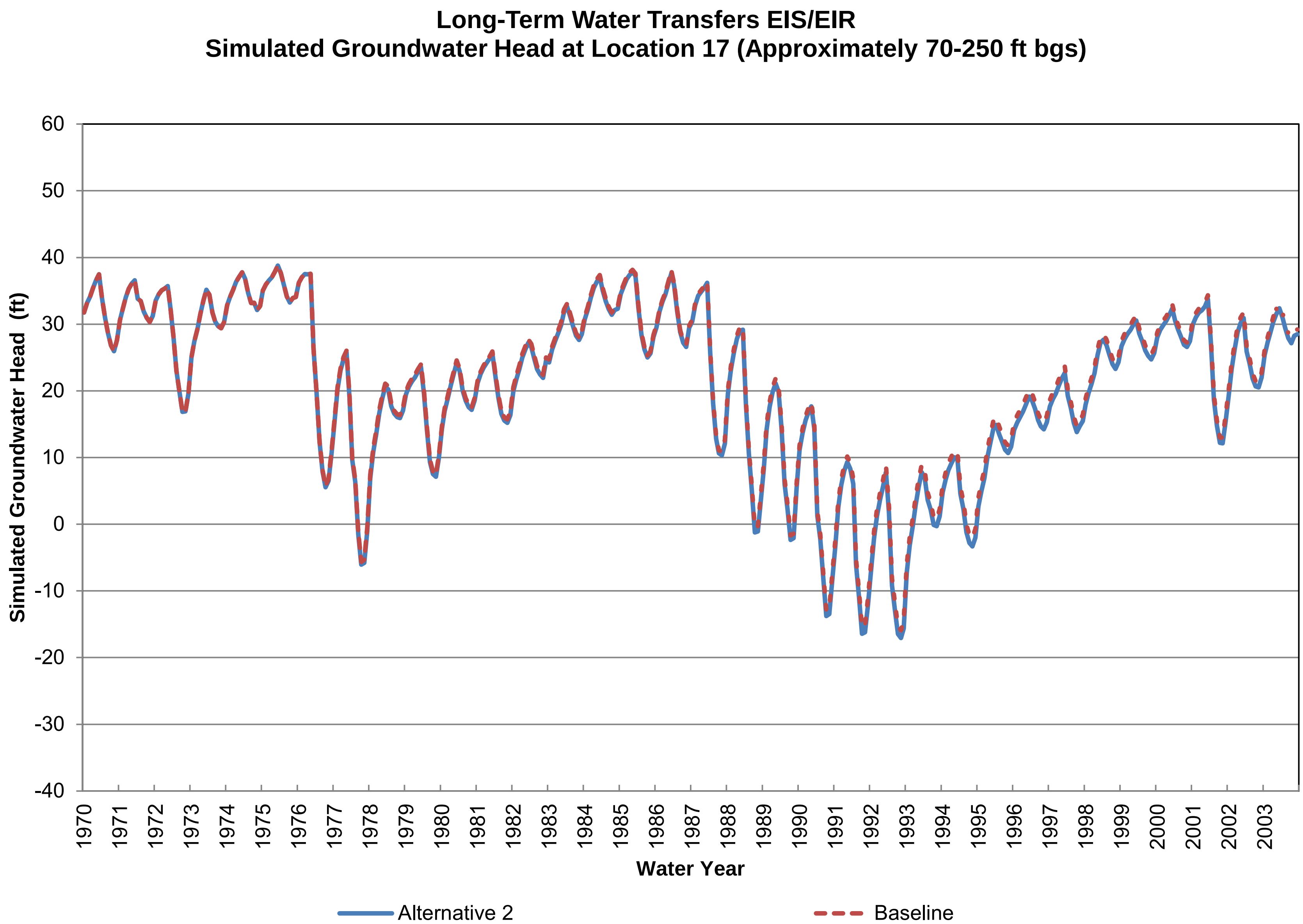

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 16 (Approximately 530-760 ft bgs)
60
50
40
30
20
10
0
-10
-20
-30
-40
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

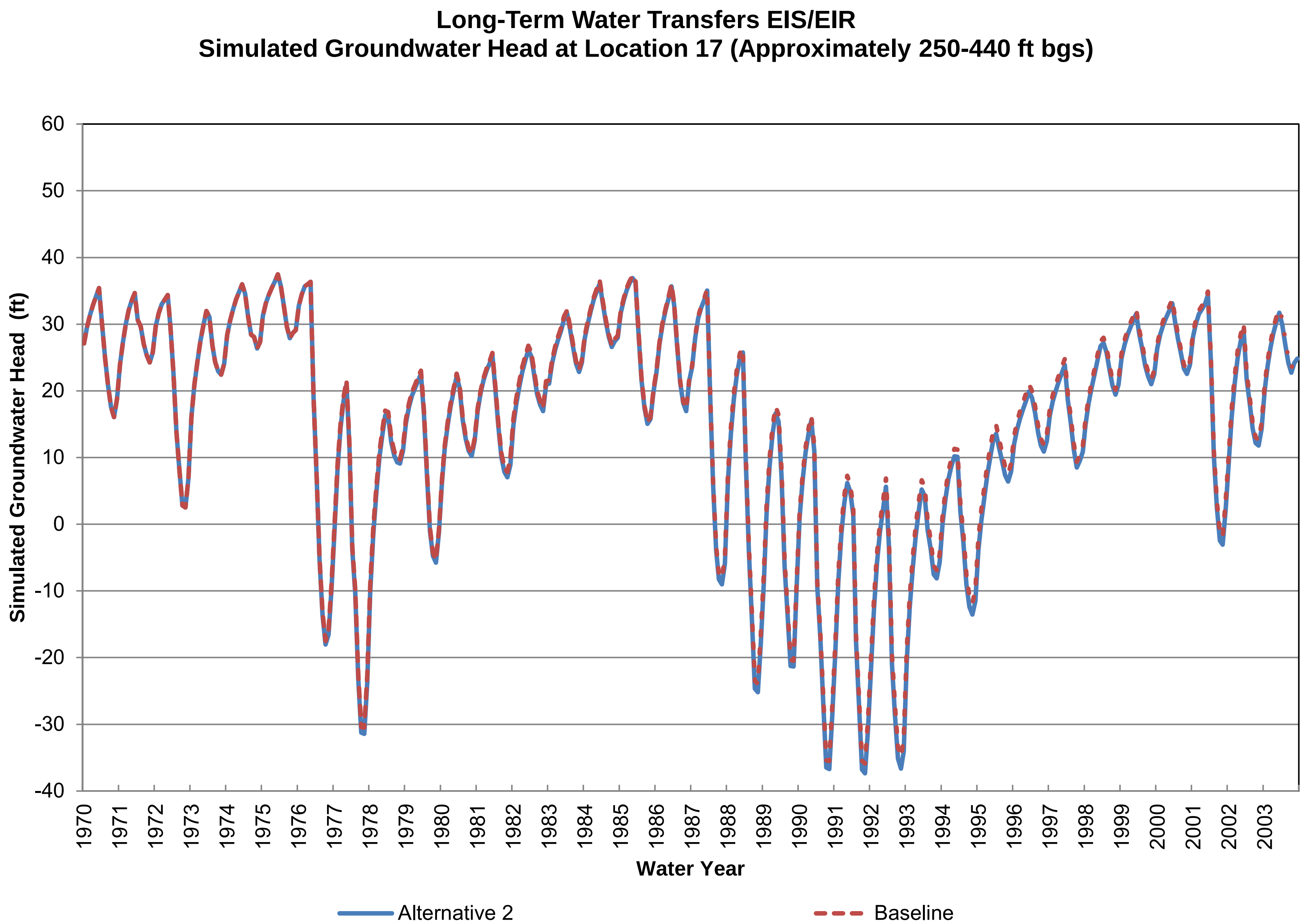

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 16 (Approximately 760-1020 ft bgs)
60
50
40
30
20
10
0
-10
-20
-30
-40
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 16 (Approximately 1020-1390 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 17 (Approximately 0-70 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 17 (Approximately 70-250 ft bgs)
60
50
40
30
20
10
0
-10
-20
-30
-40
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 17 (Approximately 250-440 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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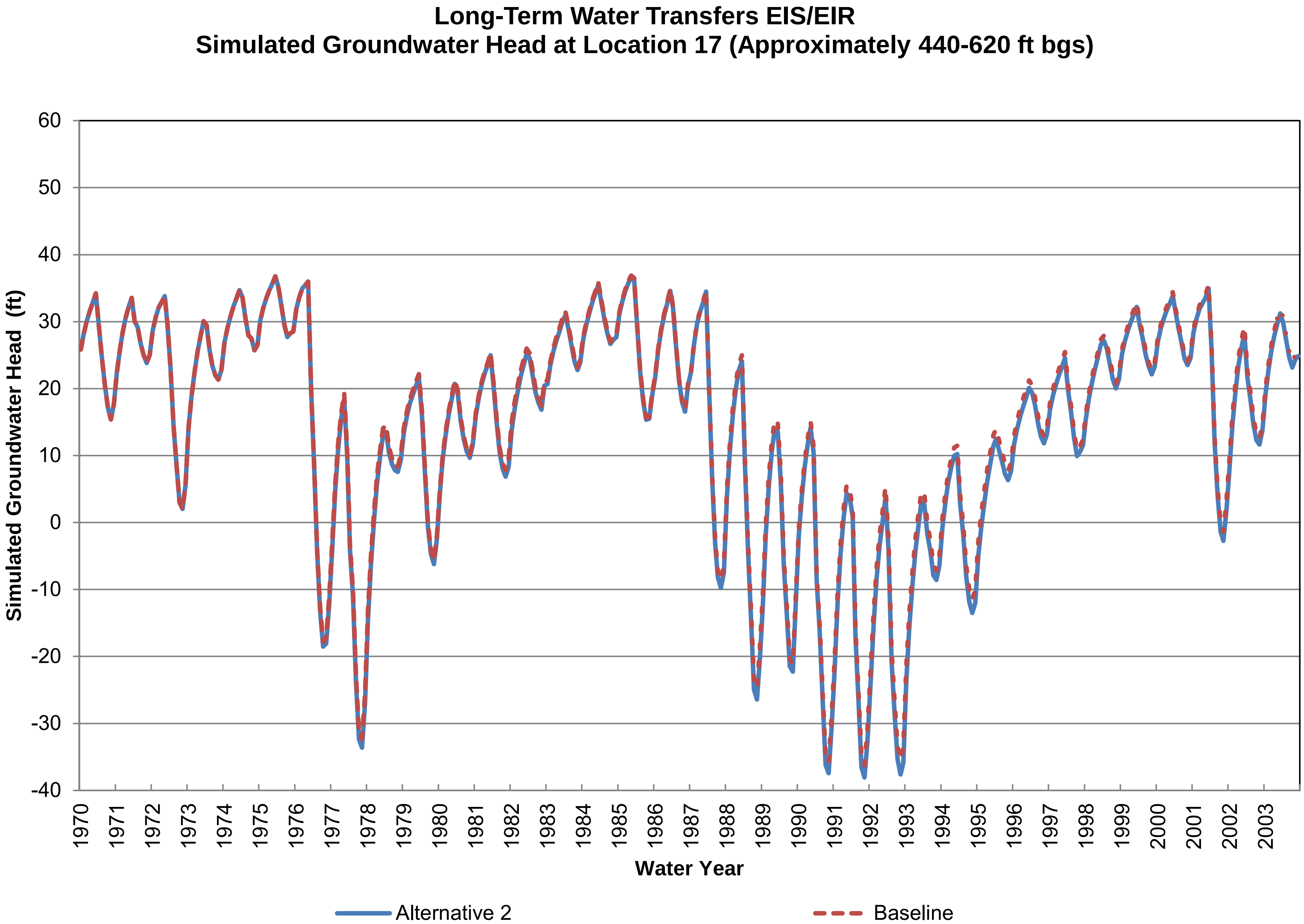
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 17 (Approximately 440-620 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
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1998
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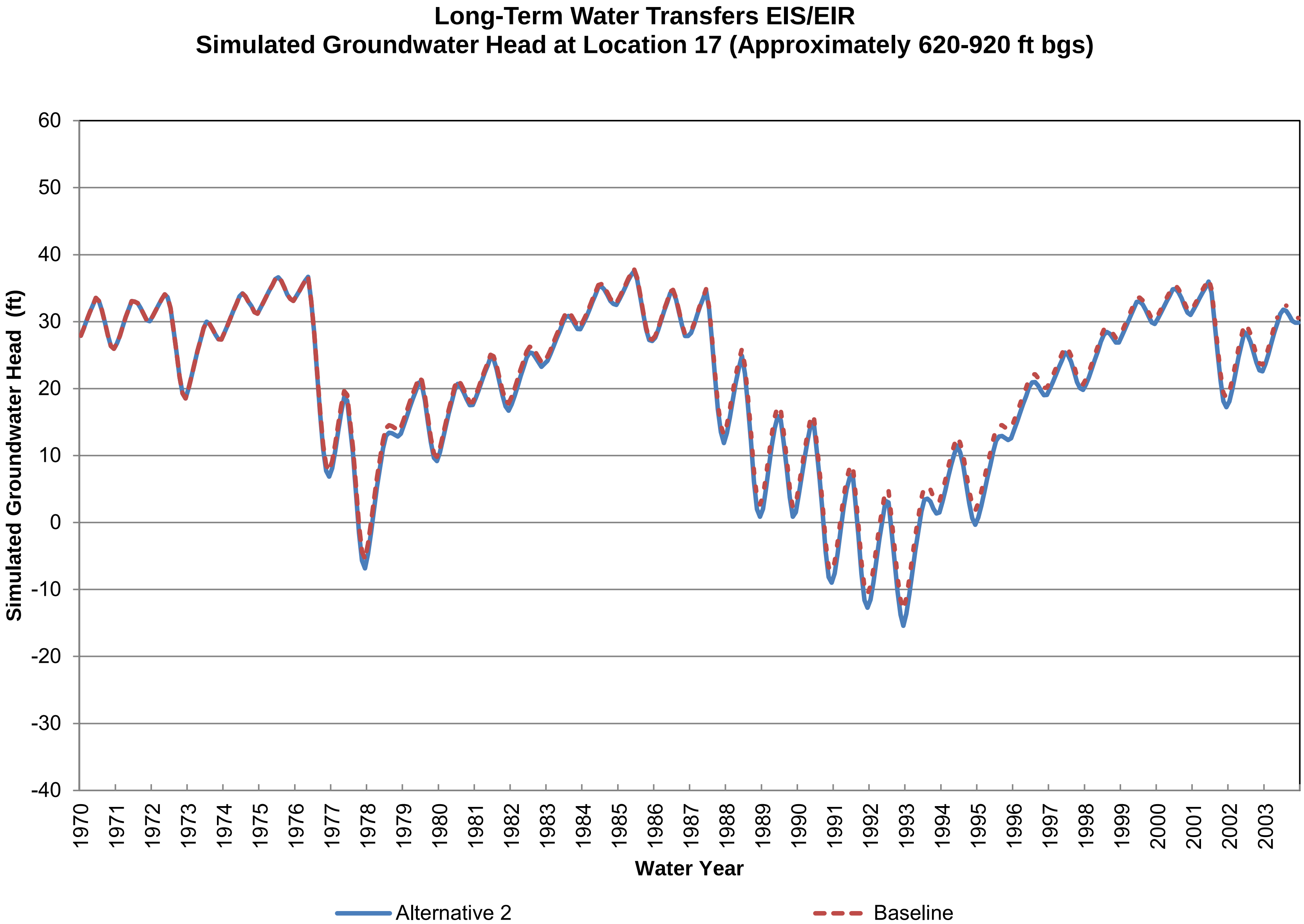
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 17 (Approximately 620-920 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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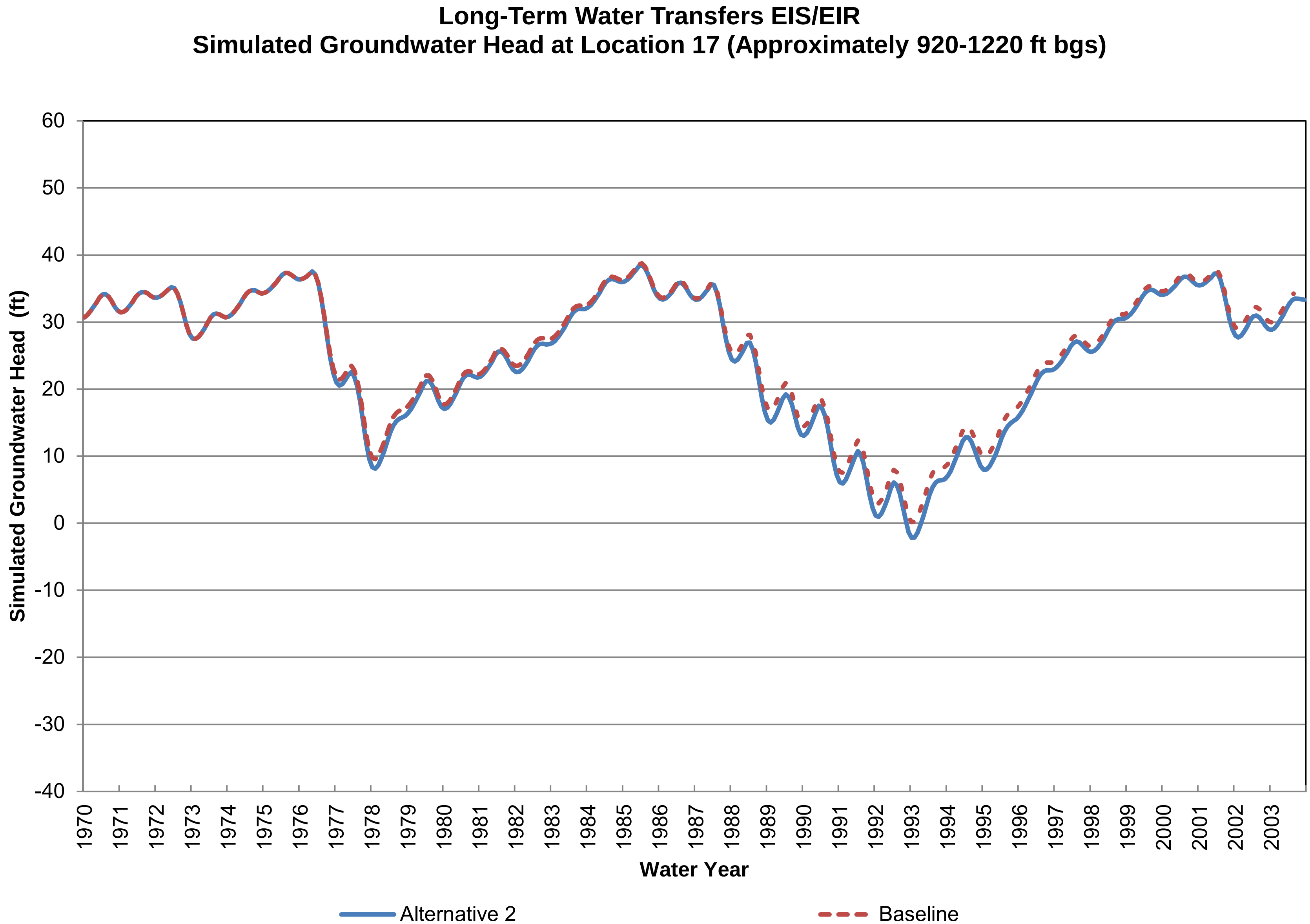
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 17 (Approximately 920-1220 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
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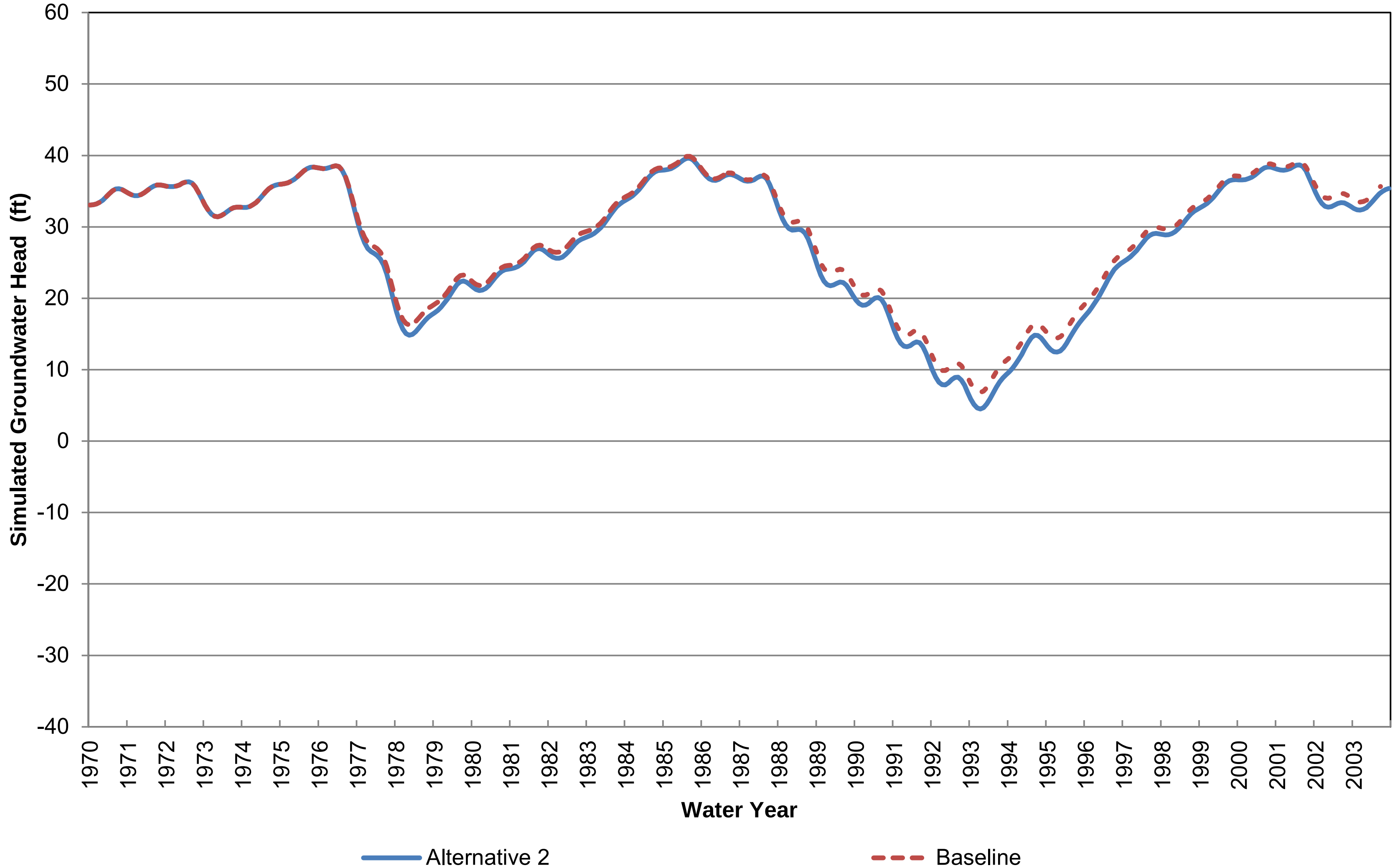
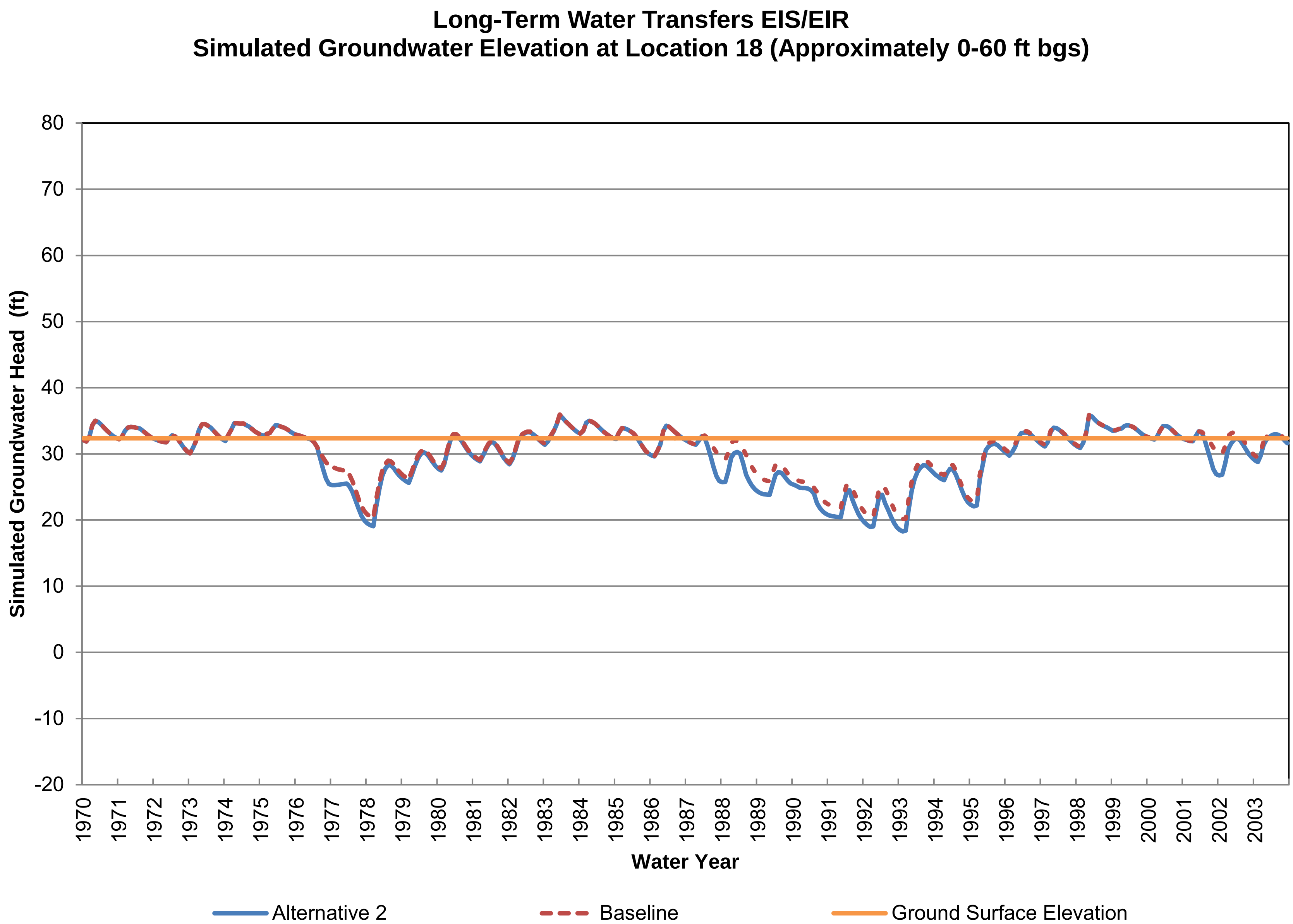
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 17 (Approximately 1220-1680 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 18 (Approximately 0-60 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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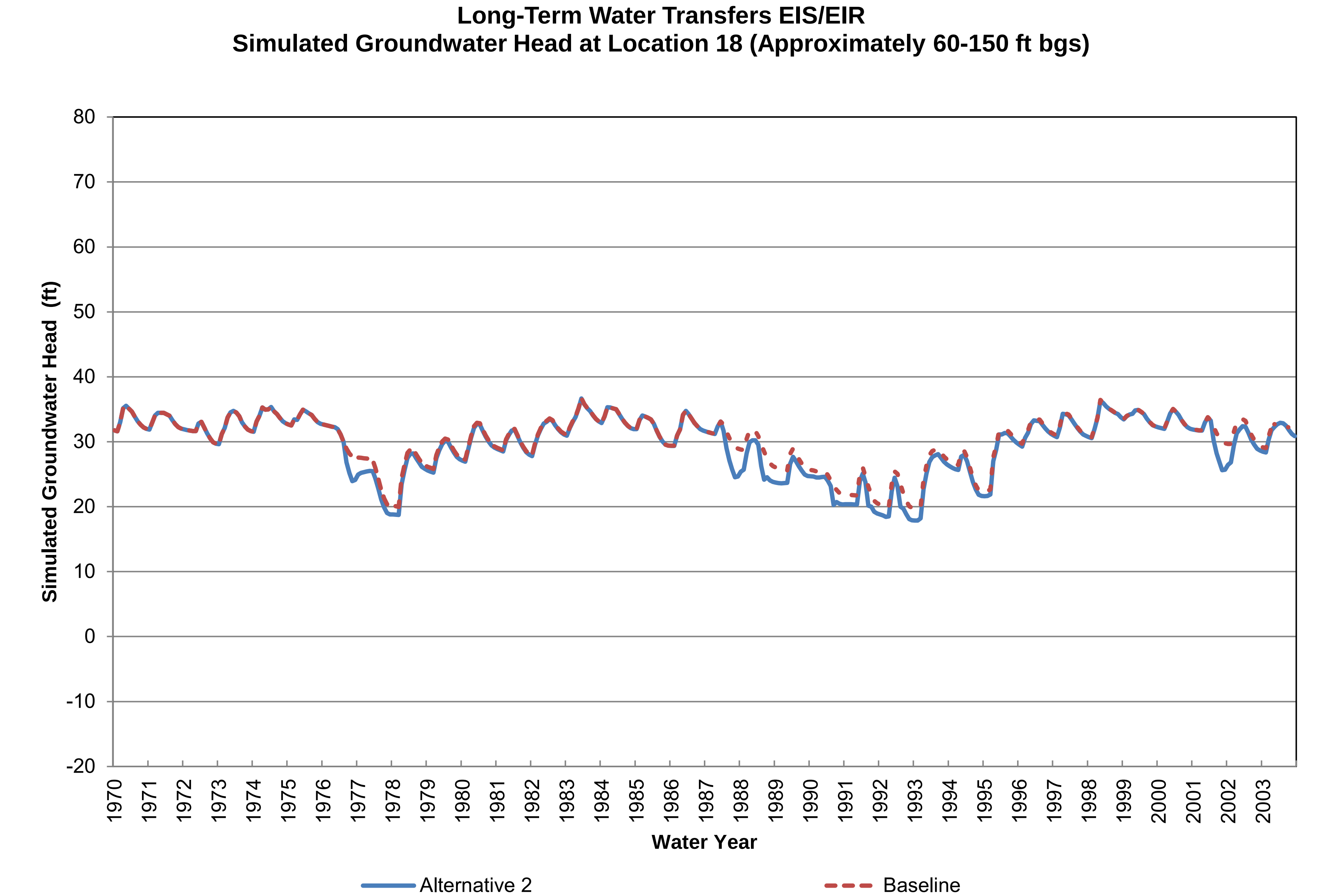
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 18 (Approximately 60-150 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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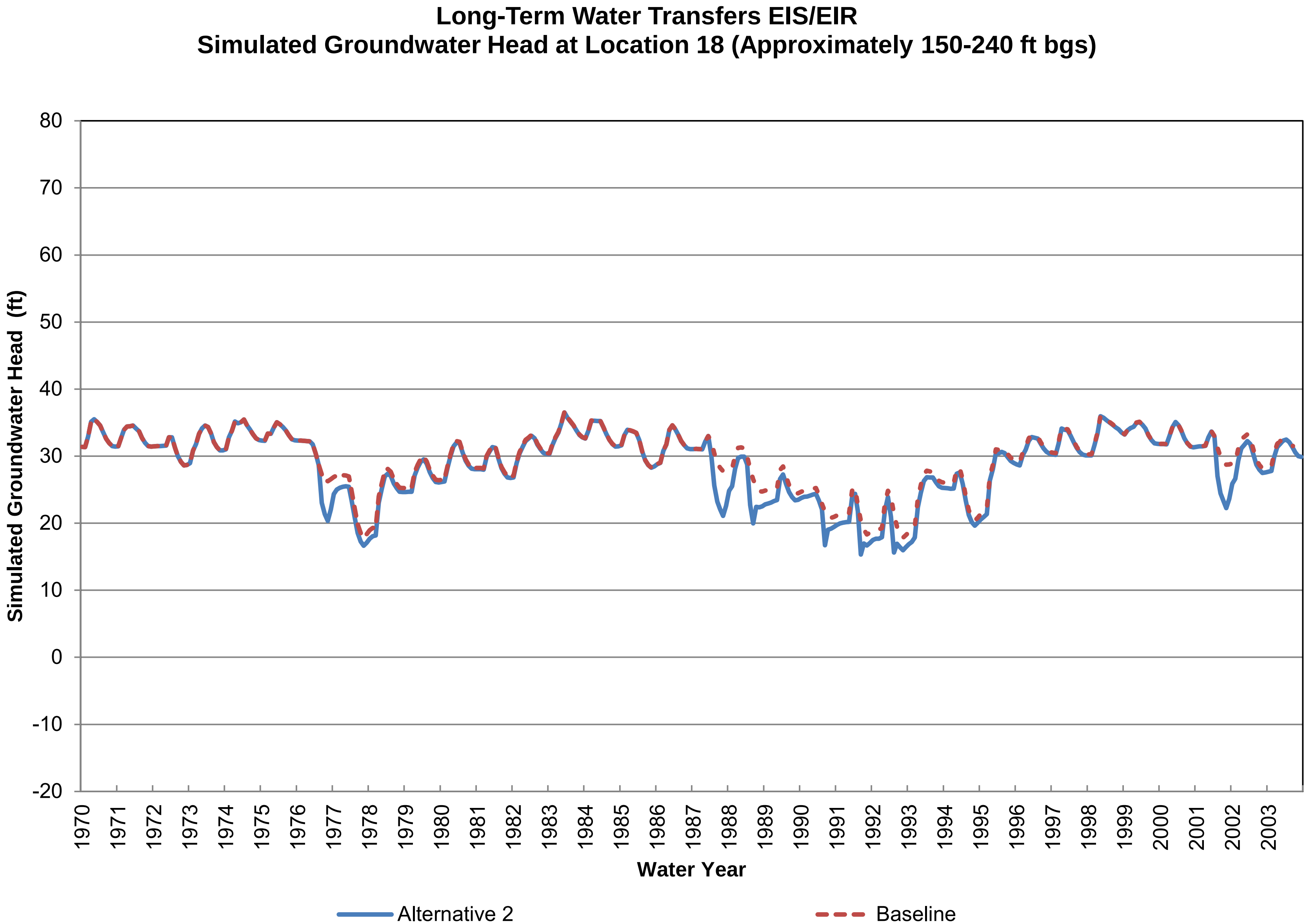
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 18 (Approximately 150-240 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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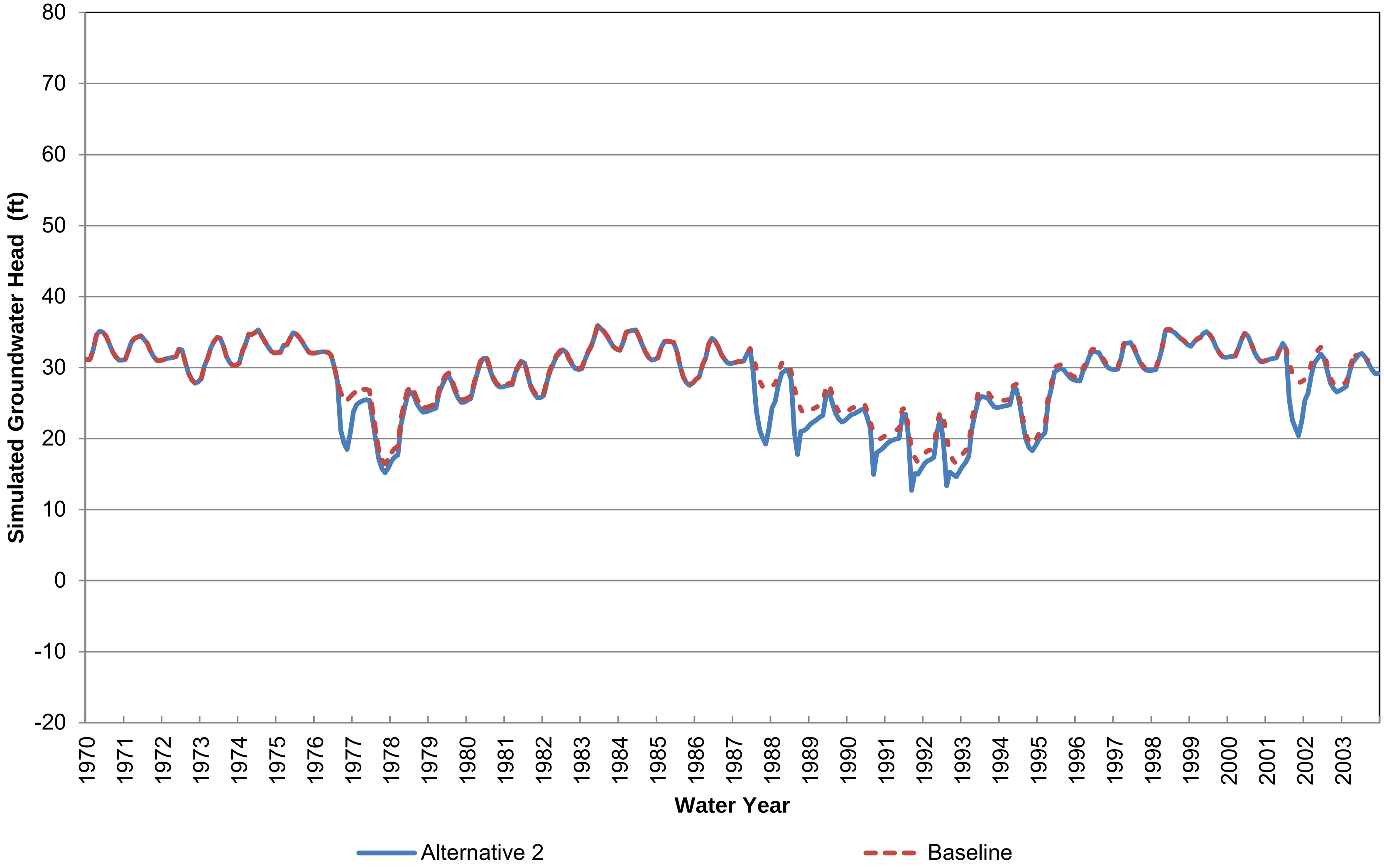
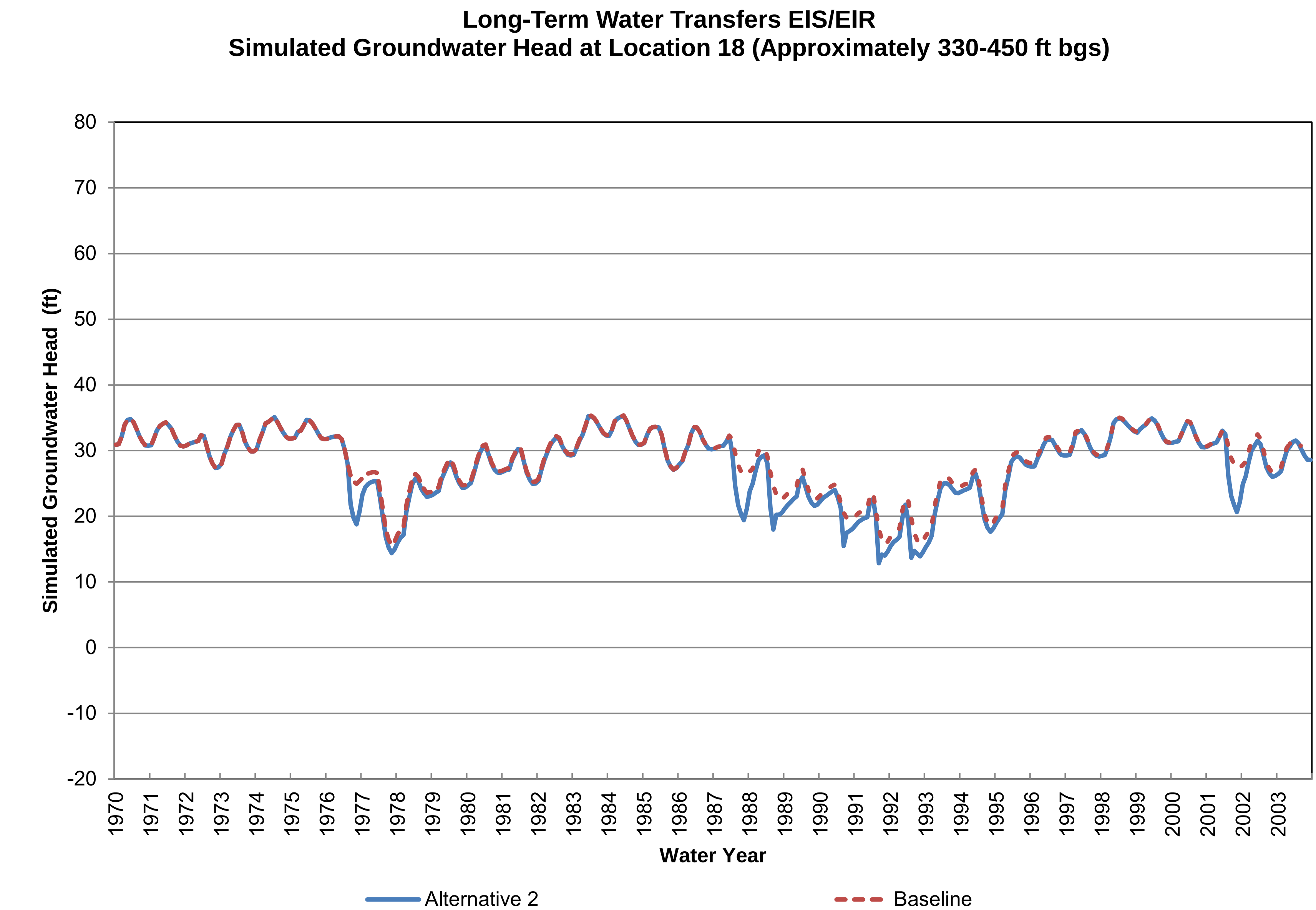
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 18 (Approximately 240-330 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 18 (Approximately 330-450 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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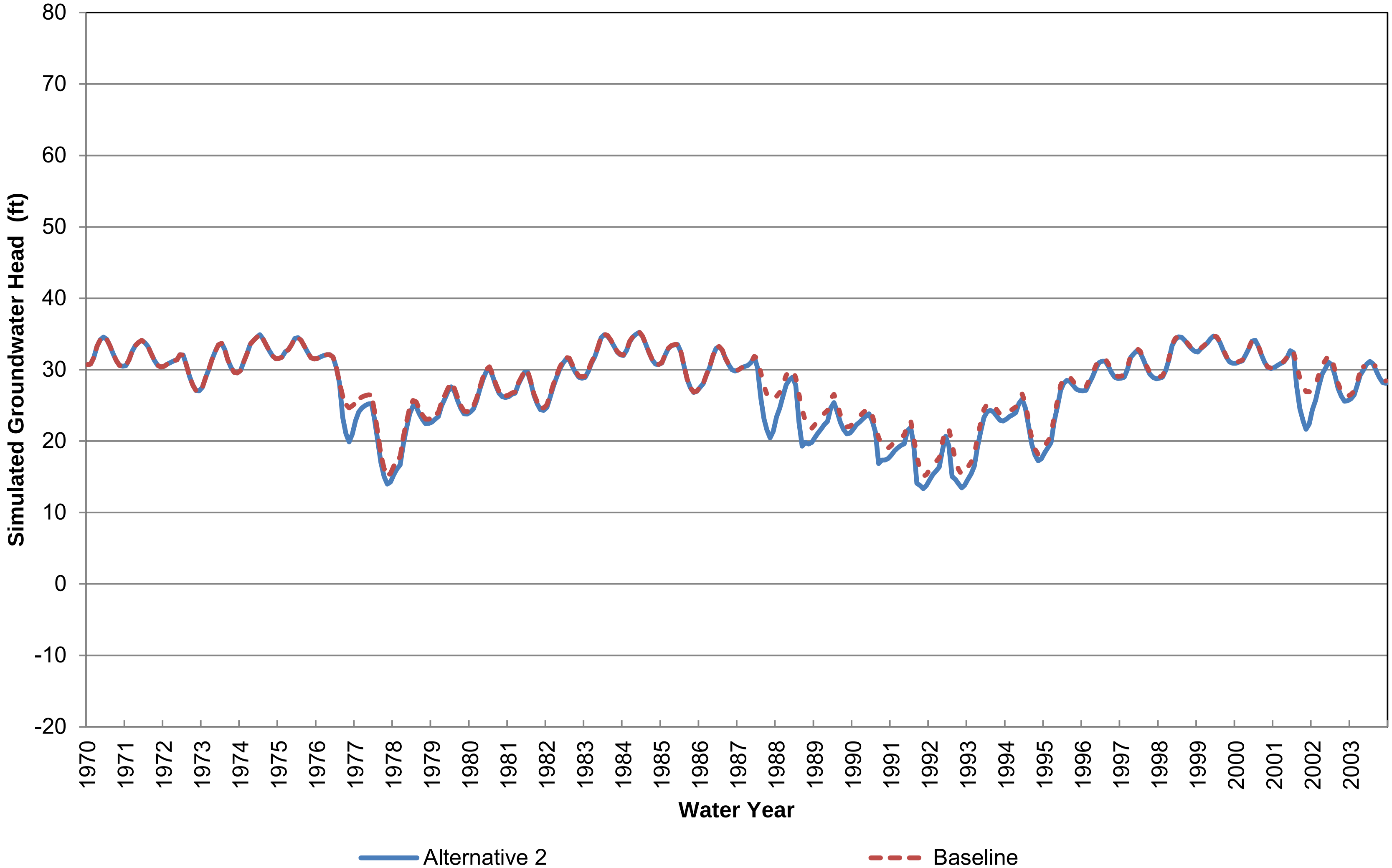
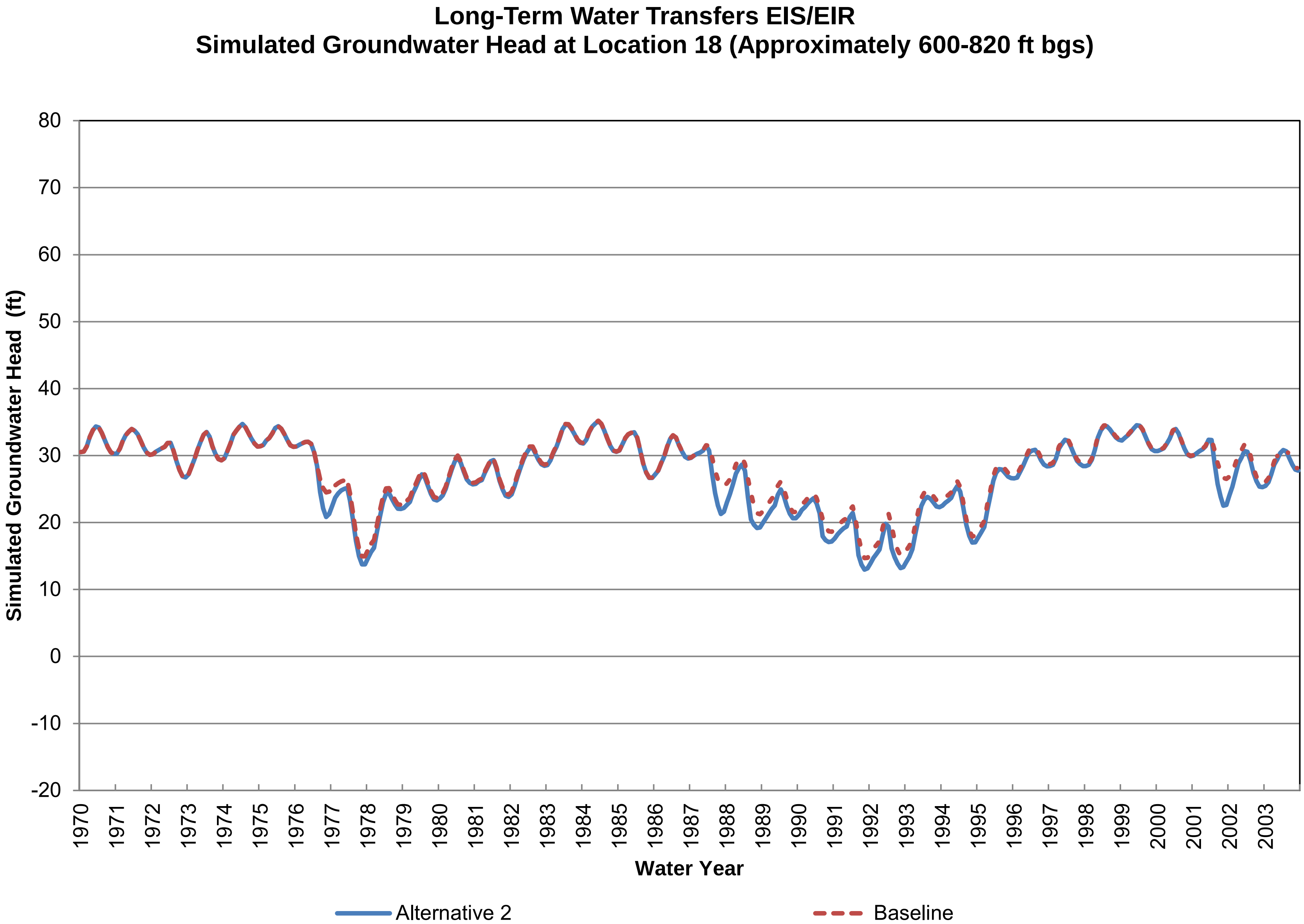
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 18 (Approximately 450-600 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 18 (Approximately 600-820 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
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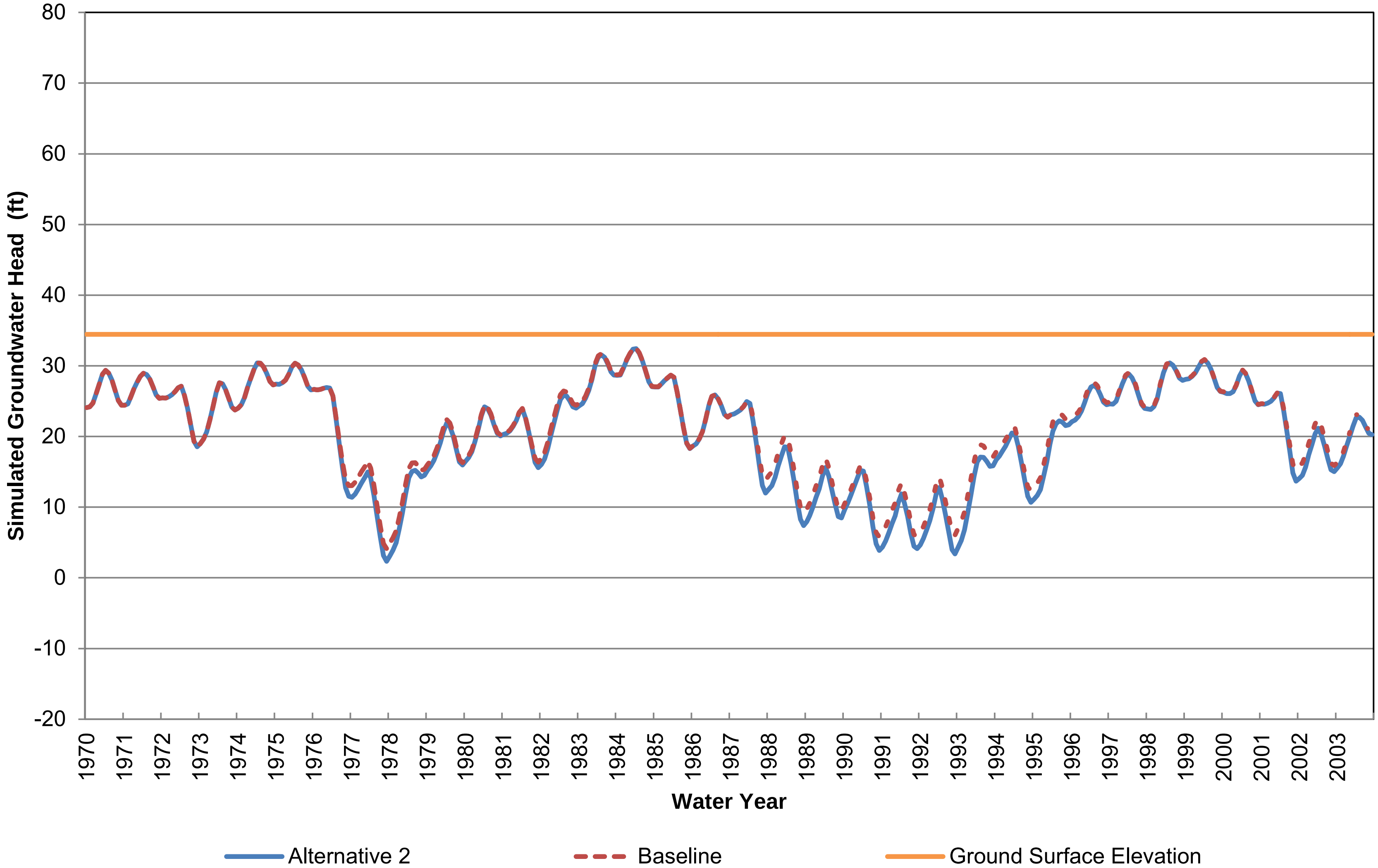
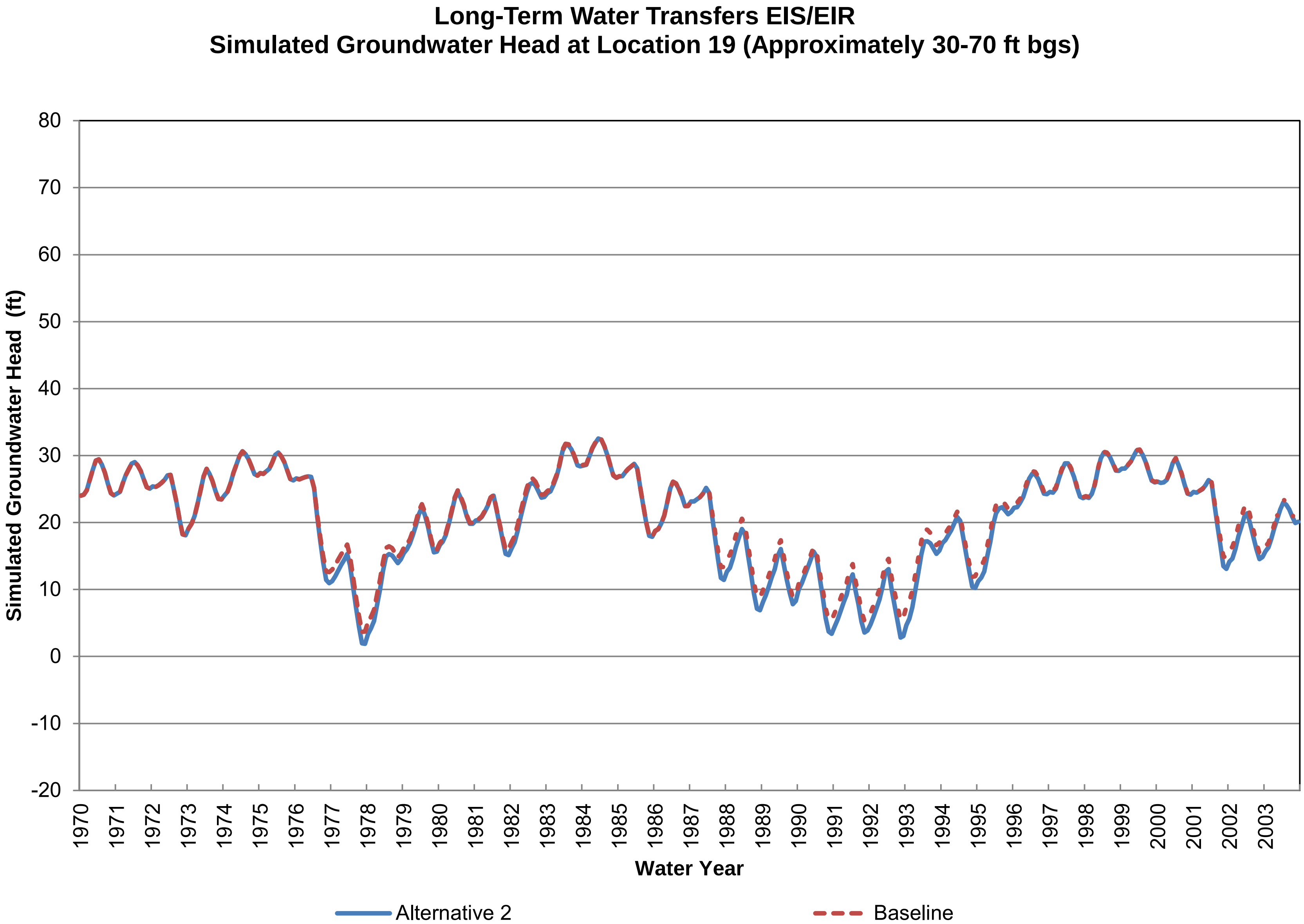
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 19 (Approximately 0-30 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 19 (Approximately 30-70 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
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30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
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1998
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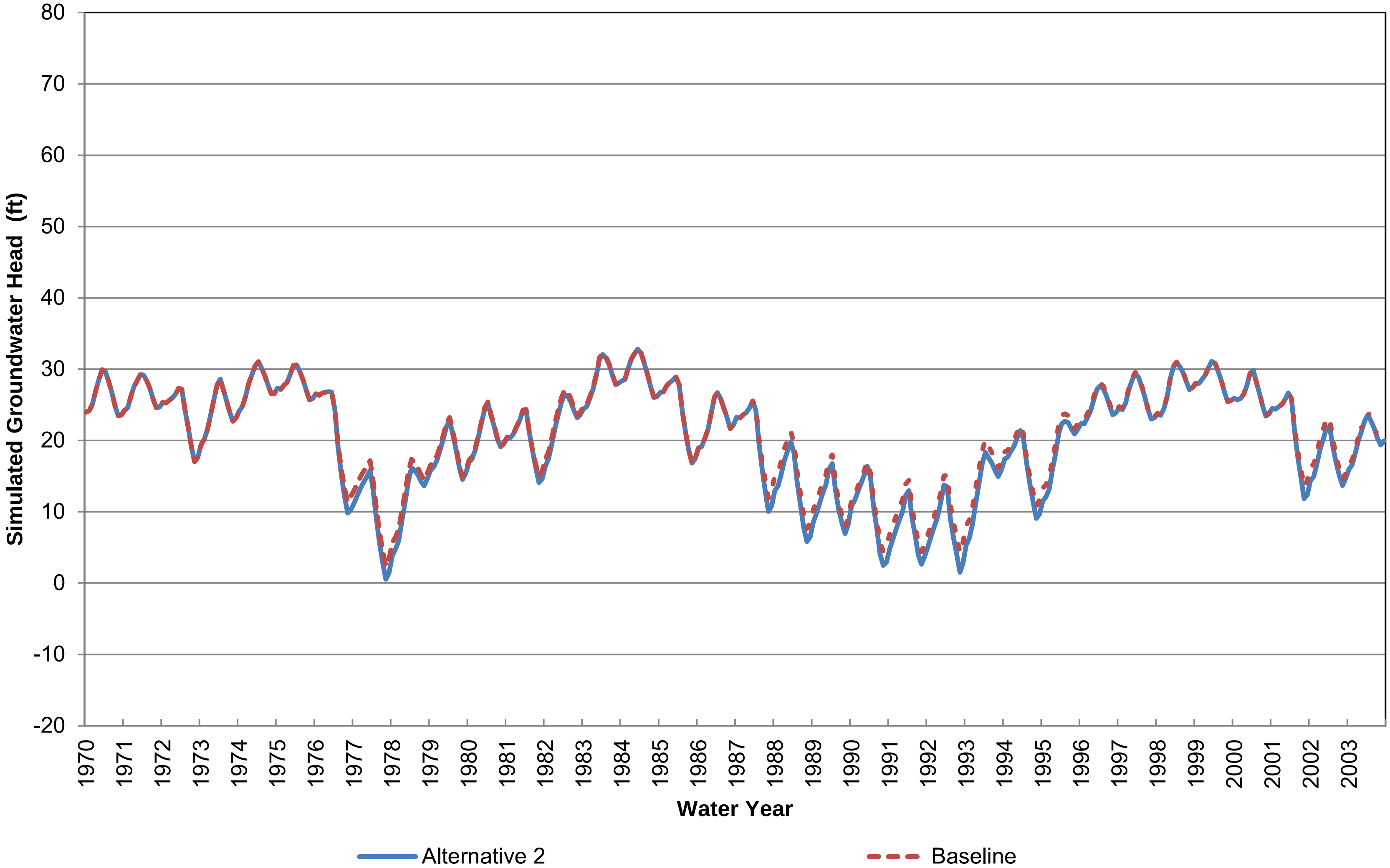
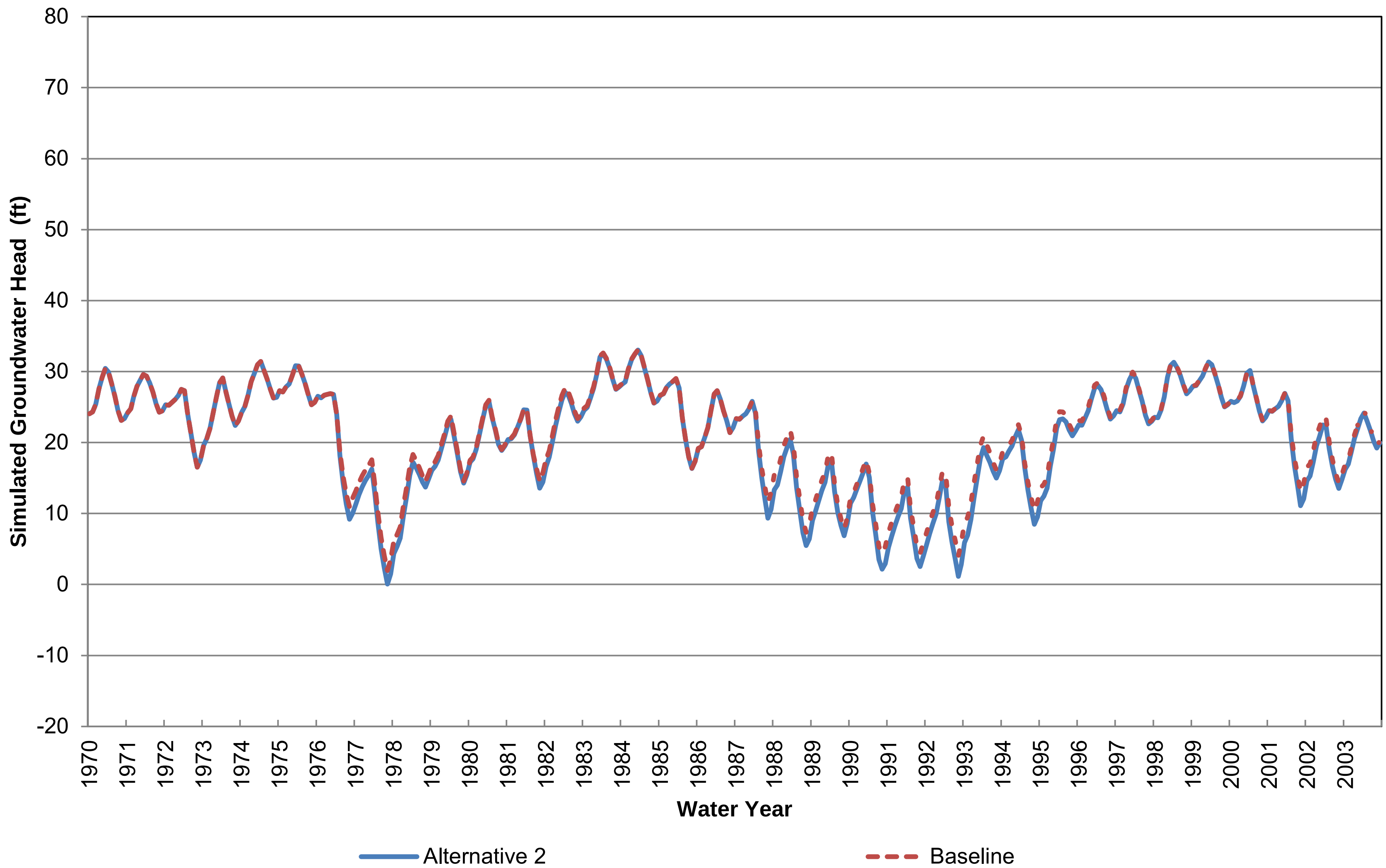
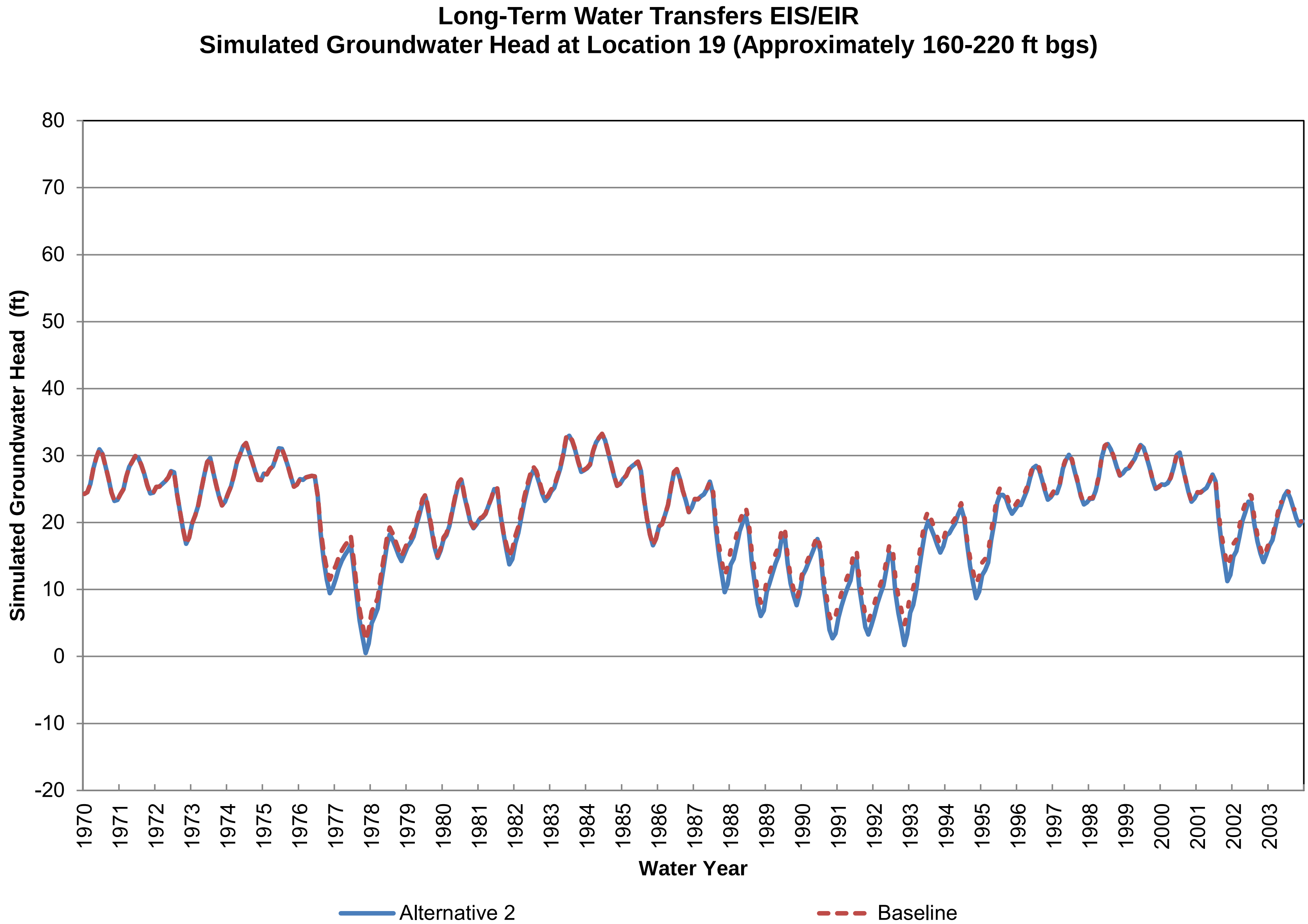
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 19 (Approximately 70-120 ft bgs)



Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 19 (Approximately 120-160 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 19 (Approximately 160-220 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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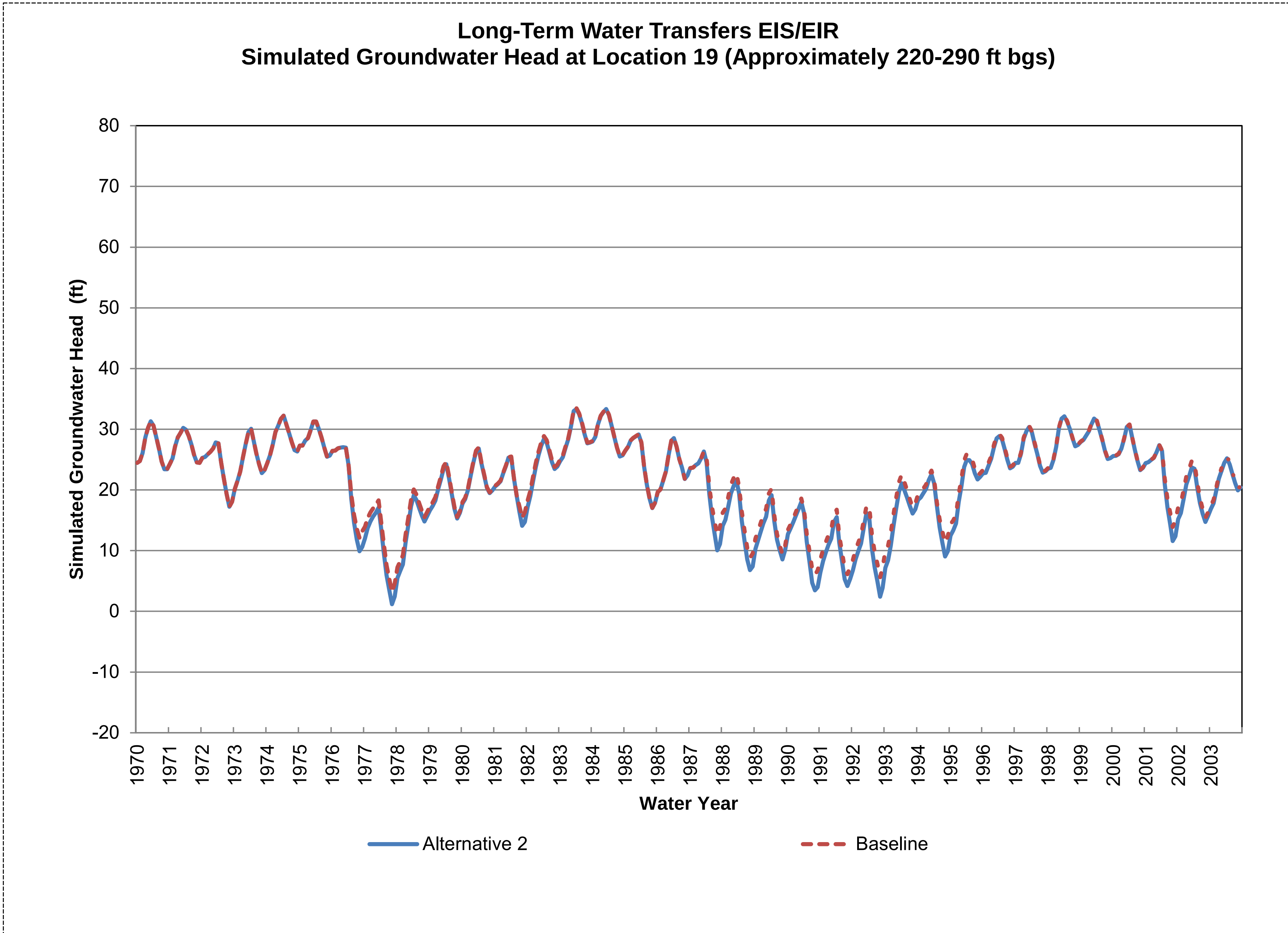
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 19 (Approximately 220-290 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
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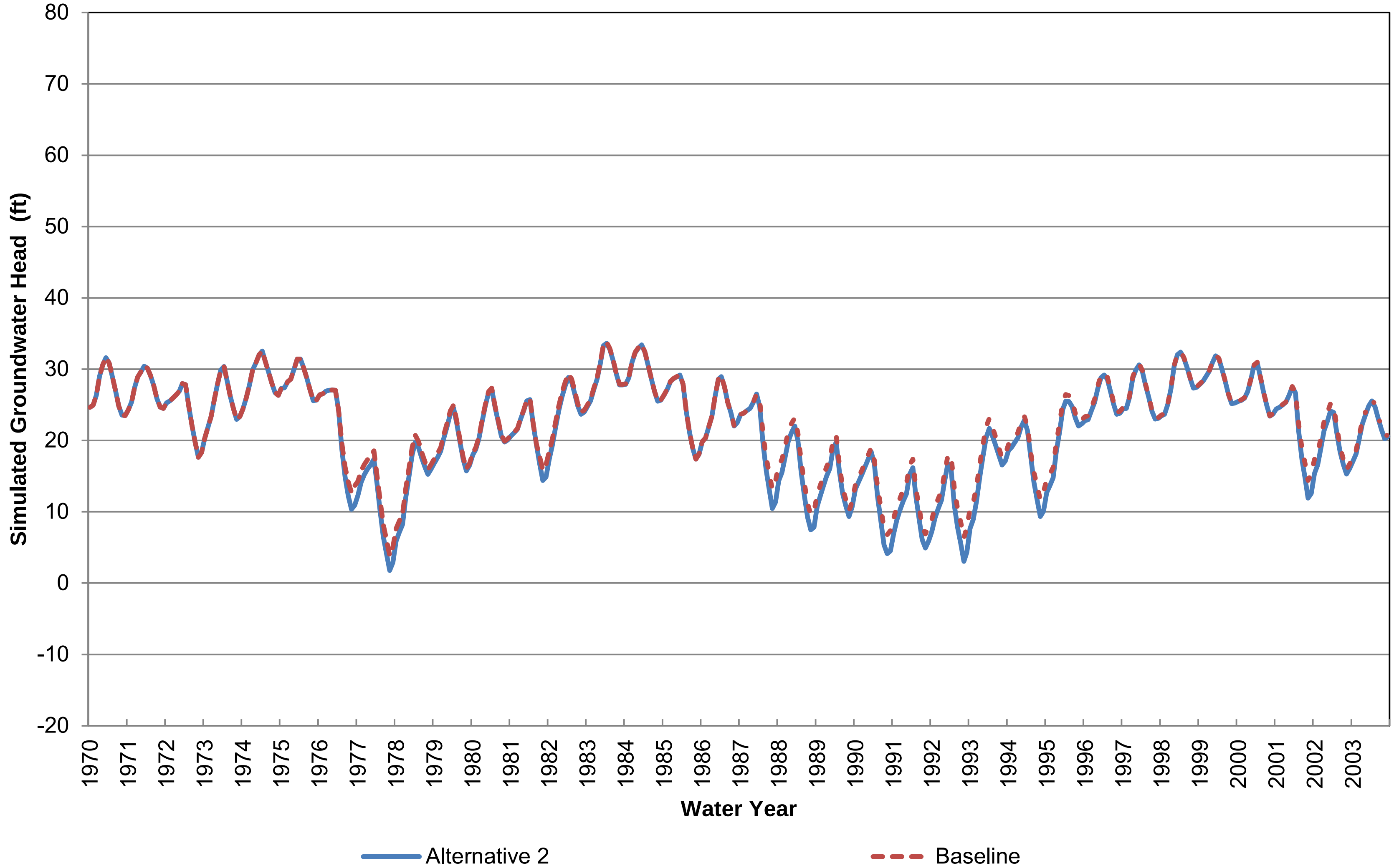
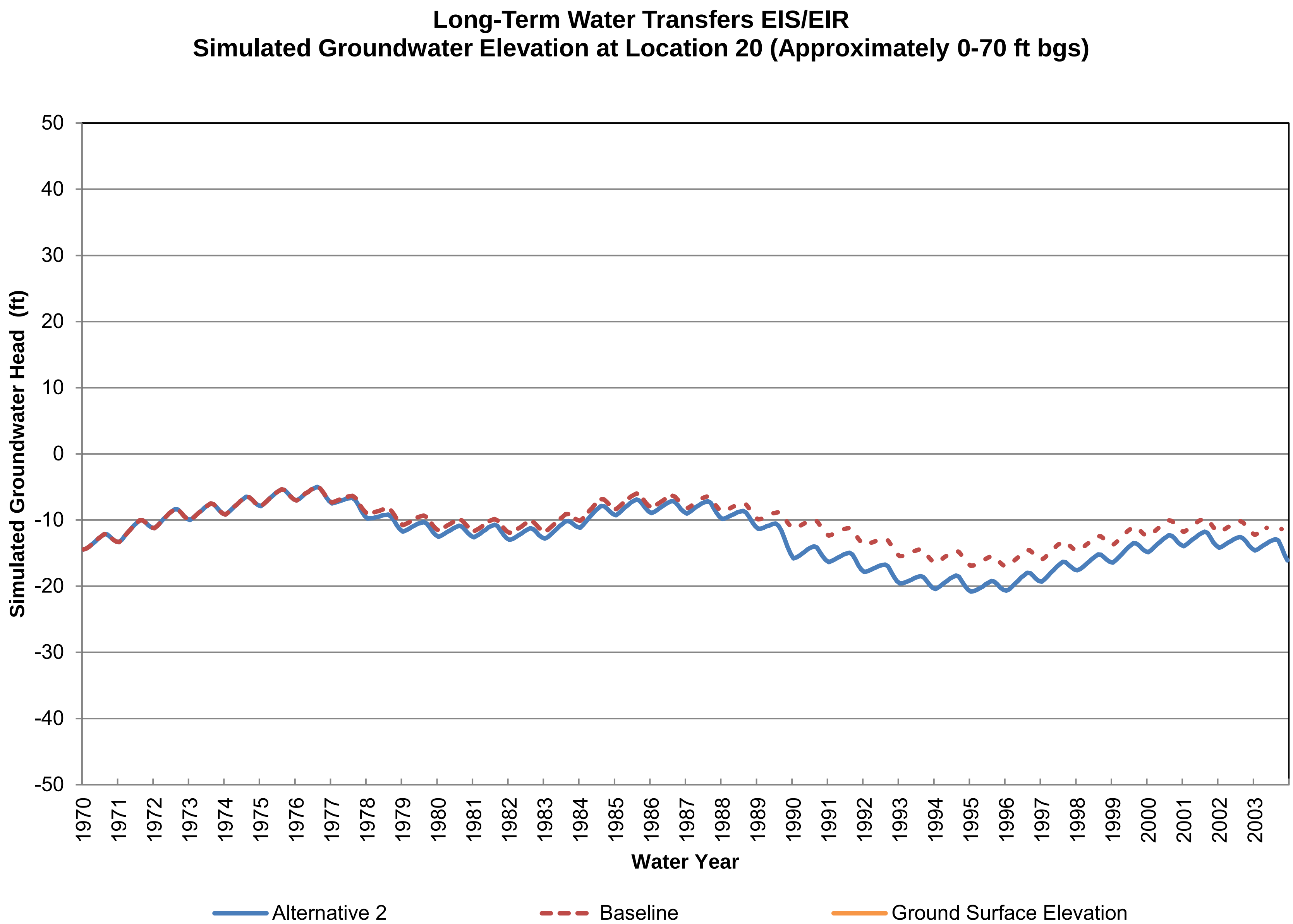
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 19 (Approximately 290-400 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 20 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
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1977
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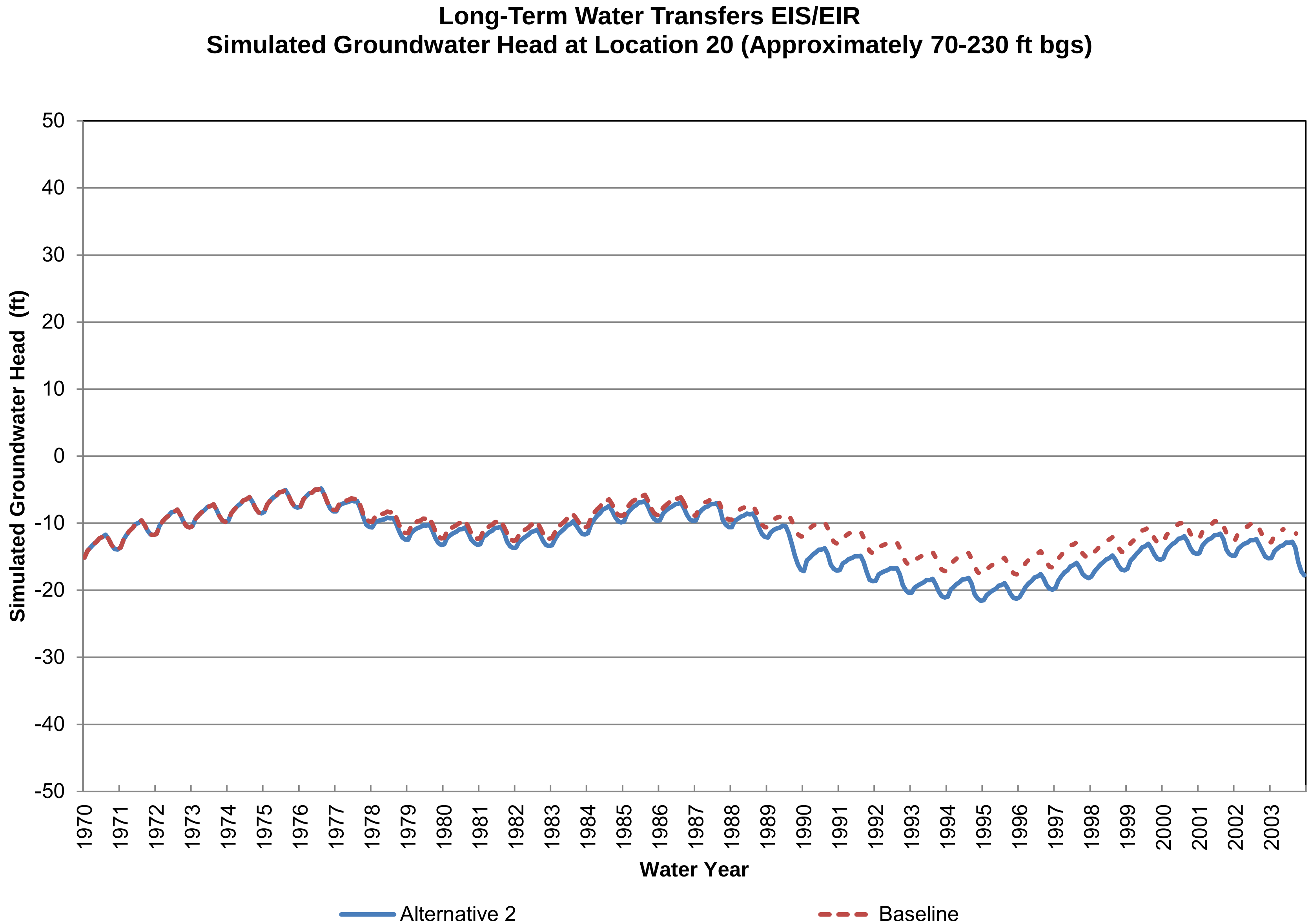
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 20 (Approximately 70-230 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
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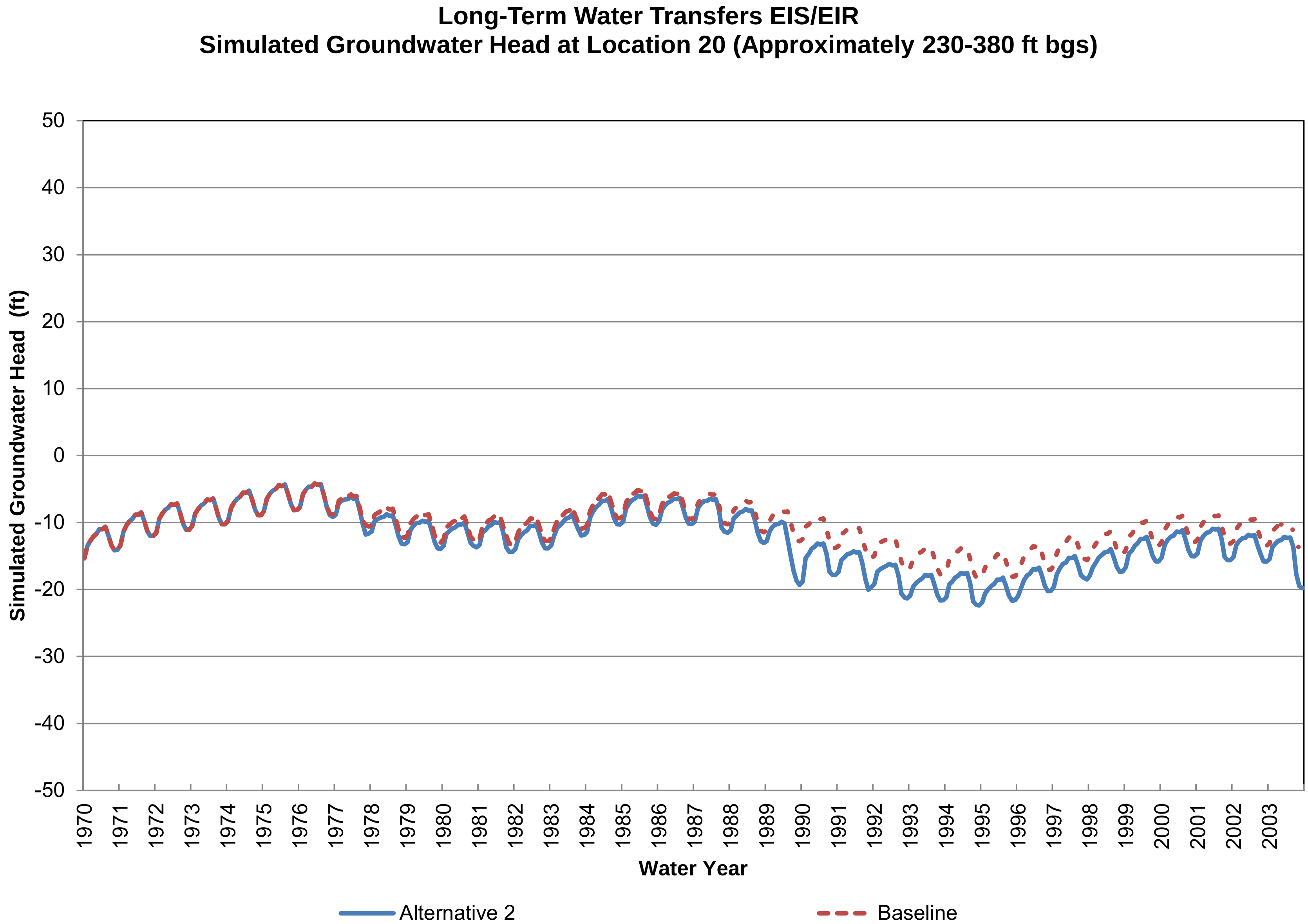
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 20 (Approximately 230-380 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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1984
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1988
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1990
1991
1992
1993
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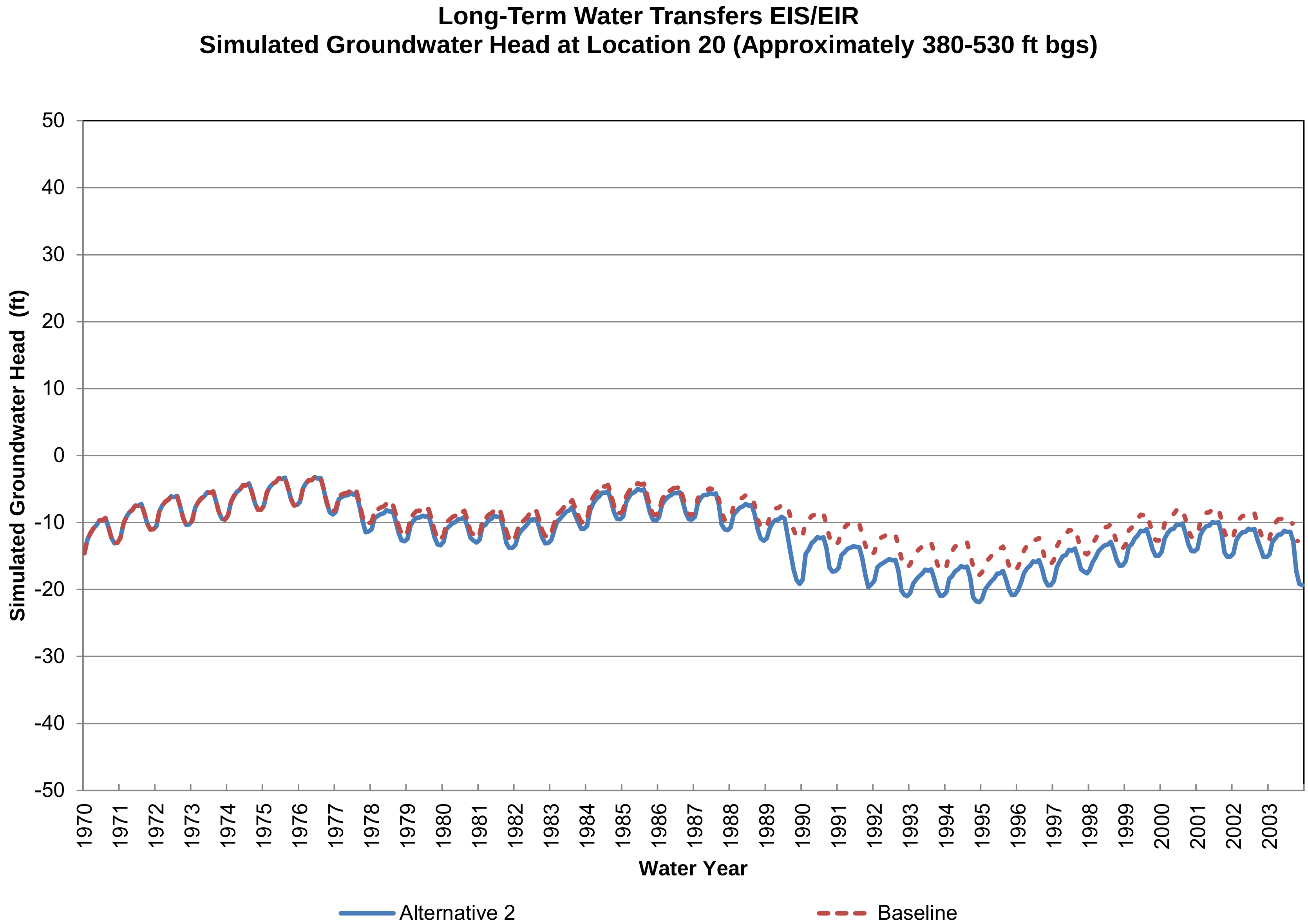
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 20 (Approximately 380-530 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
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1998
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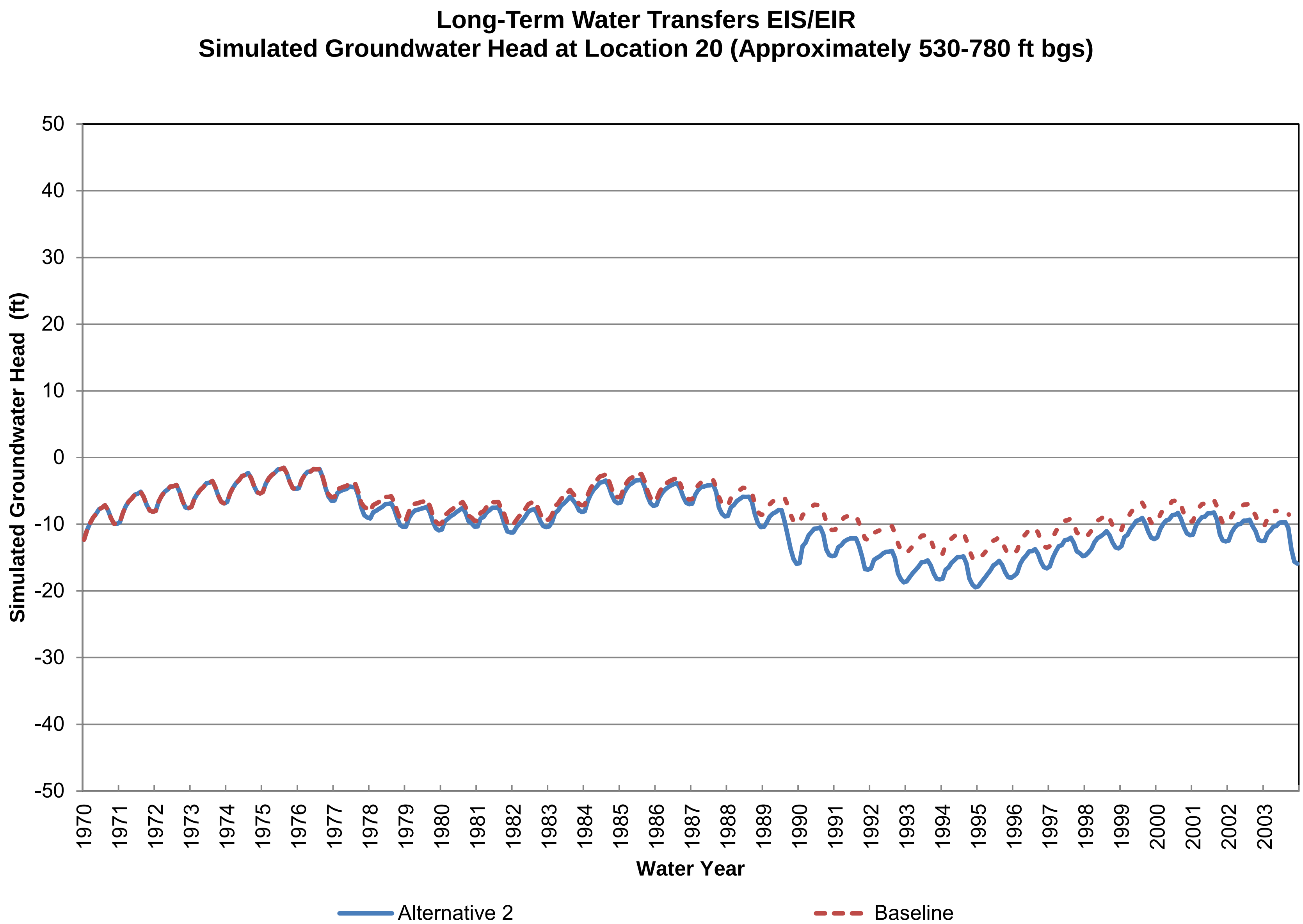
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 20 (Approximately 530-780 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
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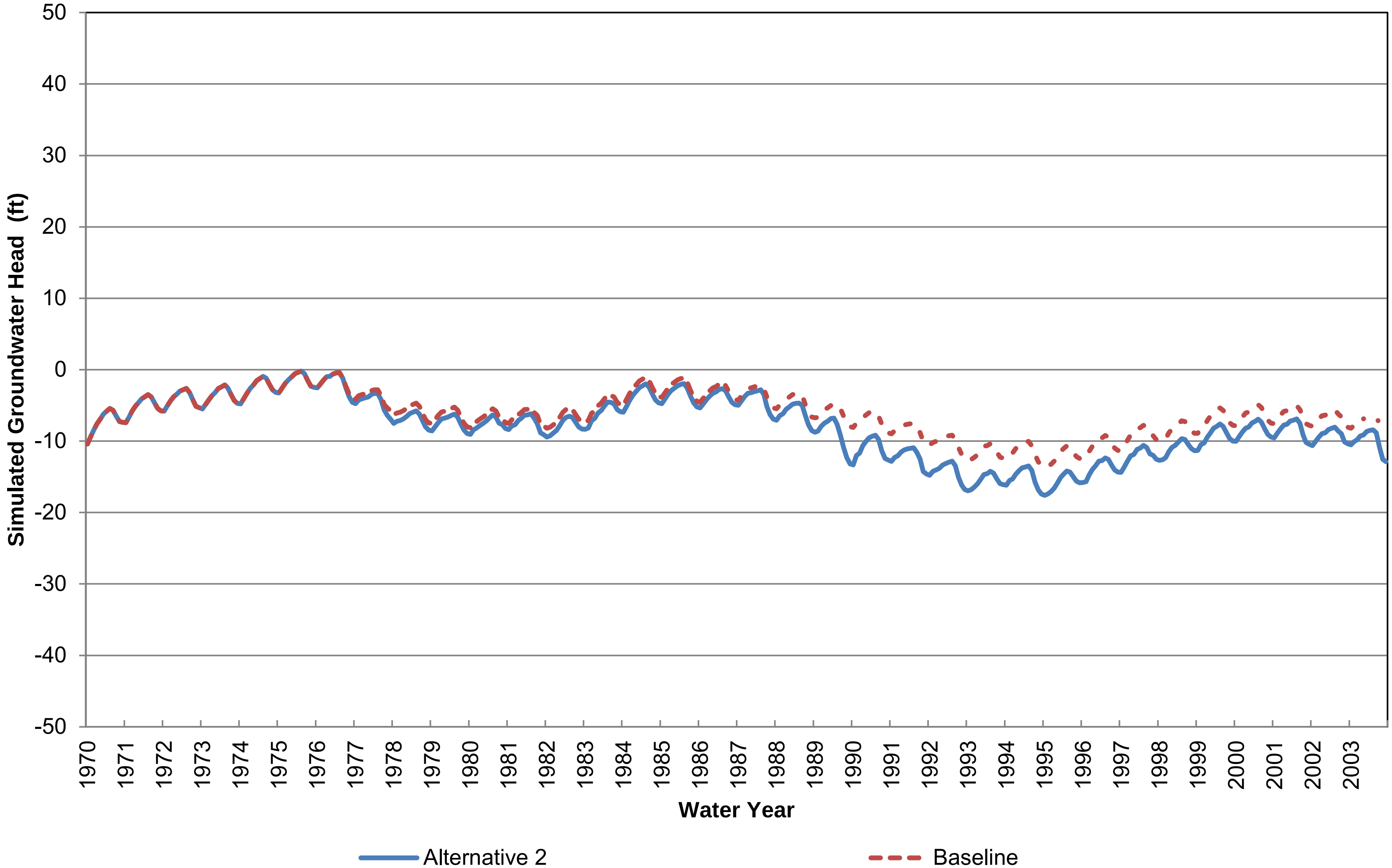
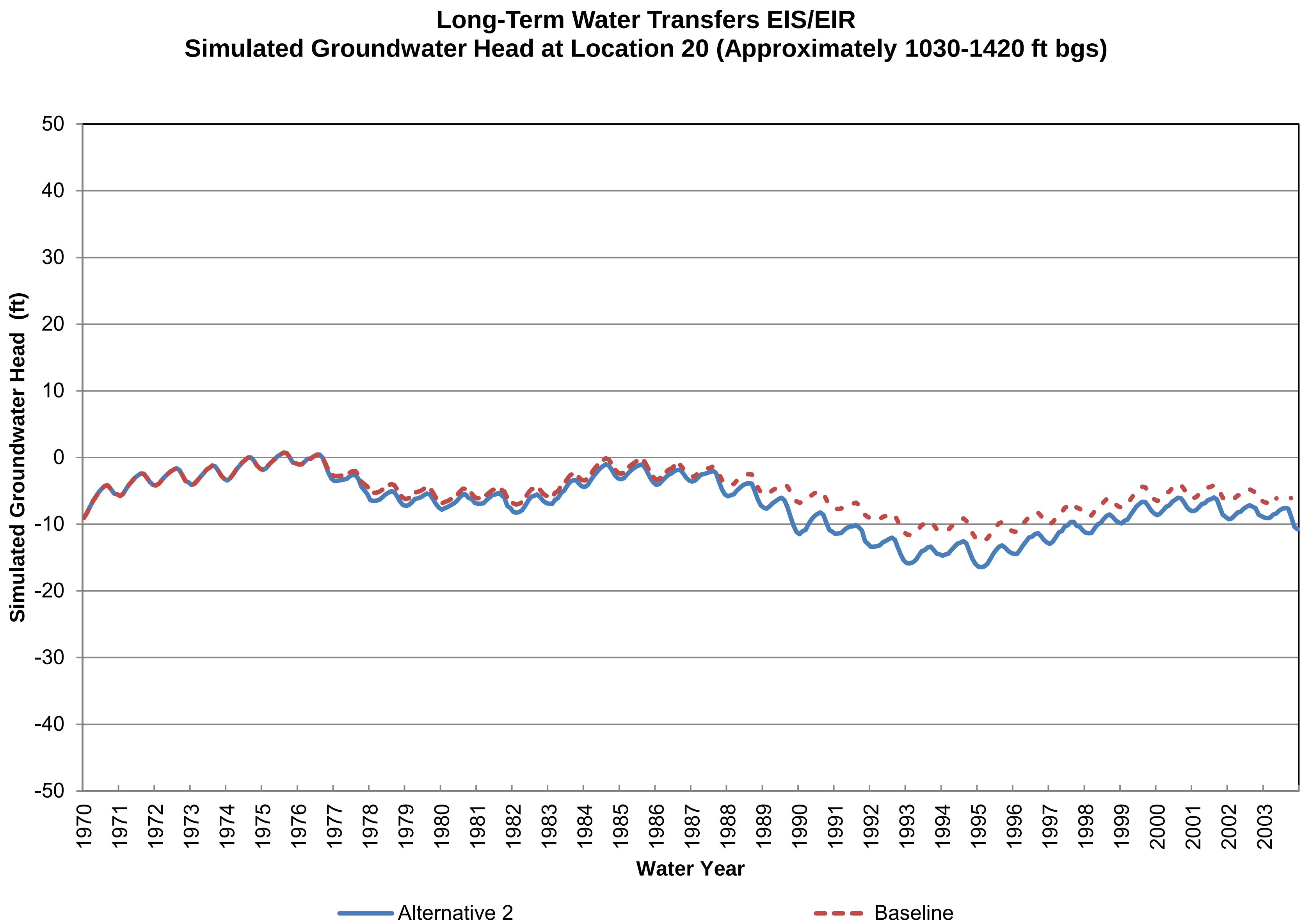
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 20 (Approximately 780-1030 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 20 (Approximately 1030-1420 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
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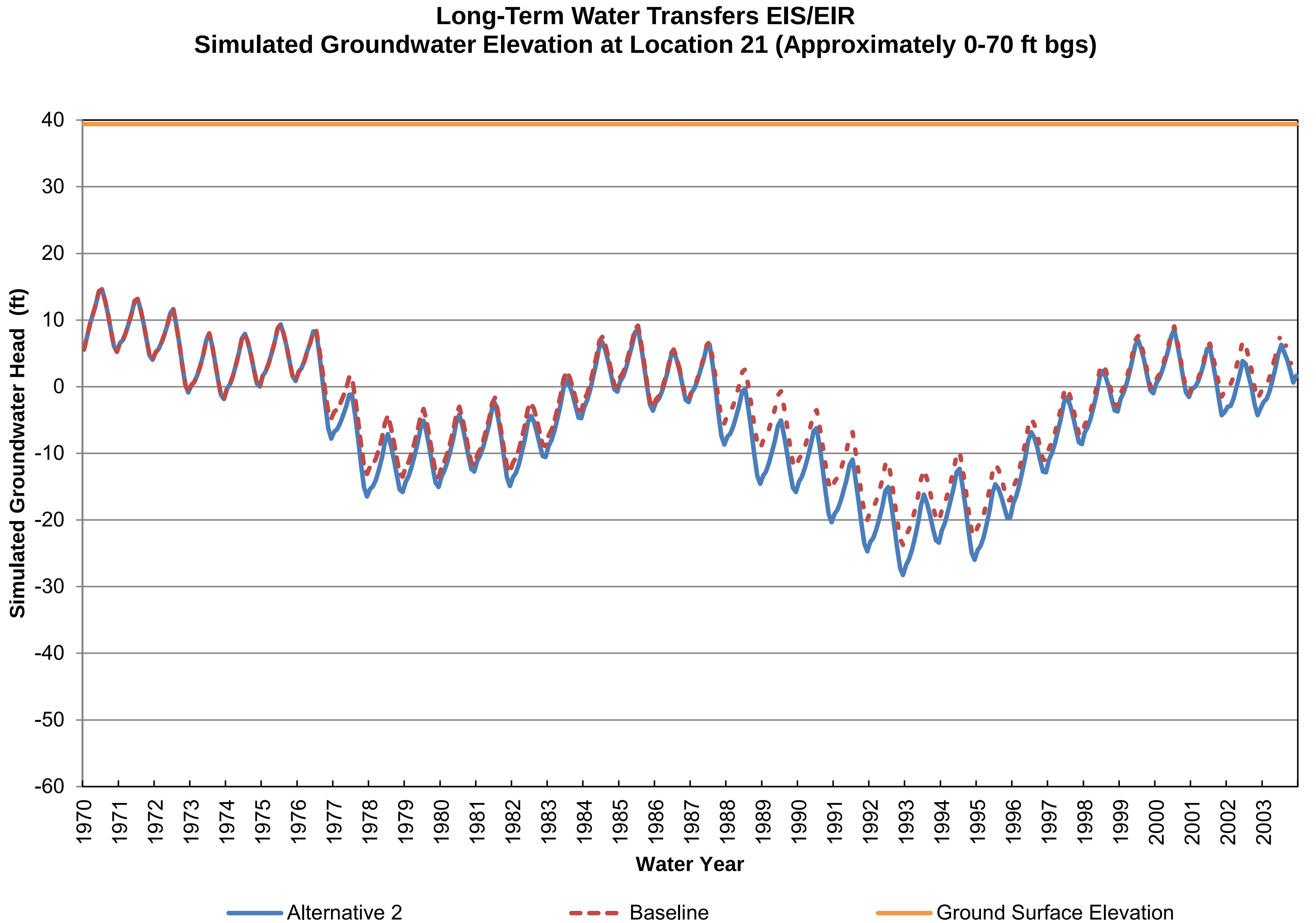
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 21 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
40
30
20
10
0
-10
-20
-30
-40
-50
-60
1970
1971
1972
1973
1974
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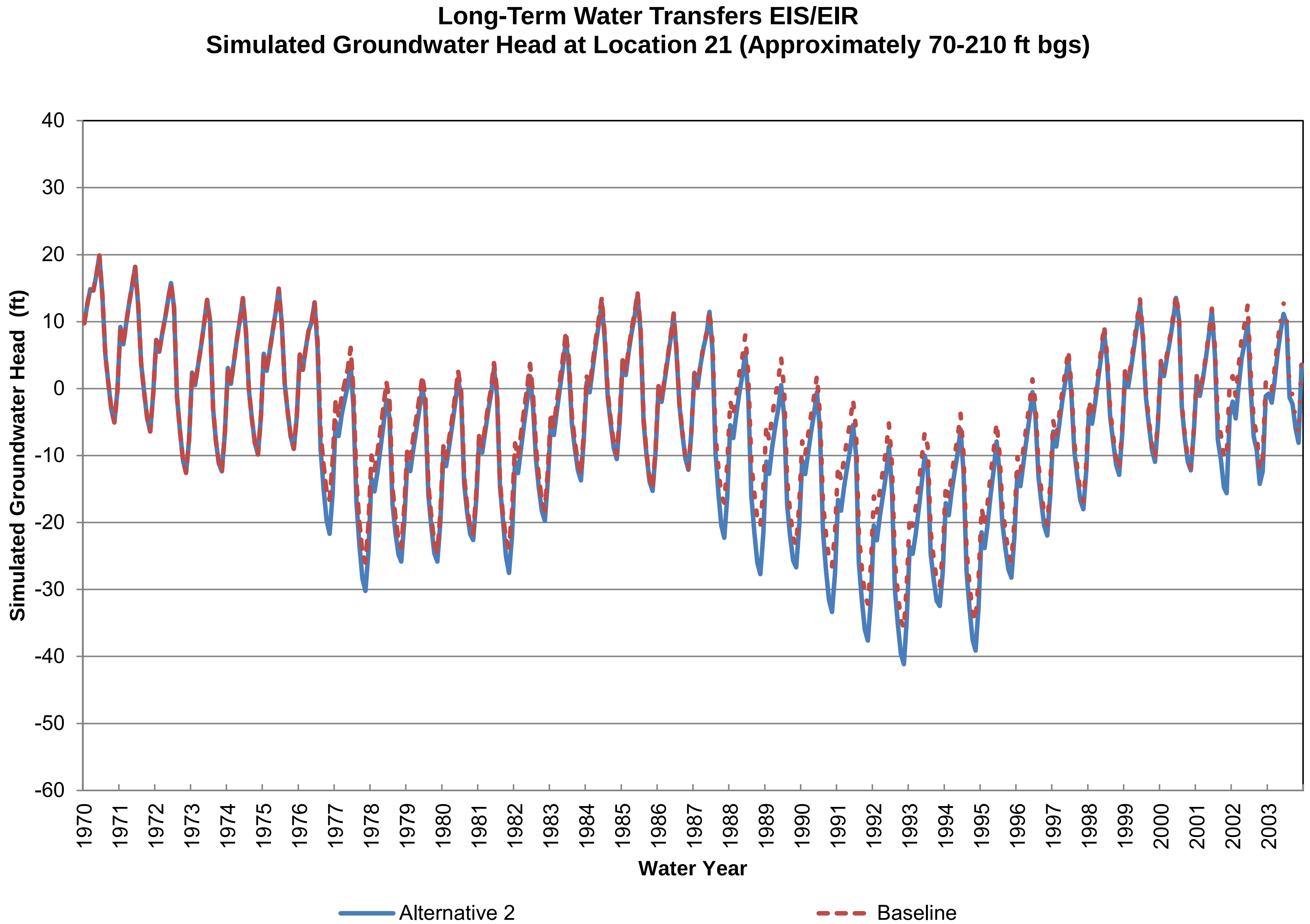
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 21 (Approximately 70-210 ft bgs)
Simulated Groundwater Head (ft)
40
30
20
10
0
-10
-20
-30
-40
-50
-60
1970
1971
1972
1973
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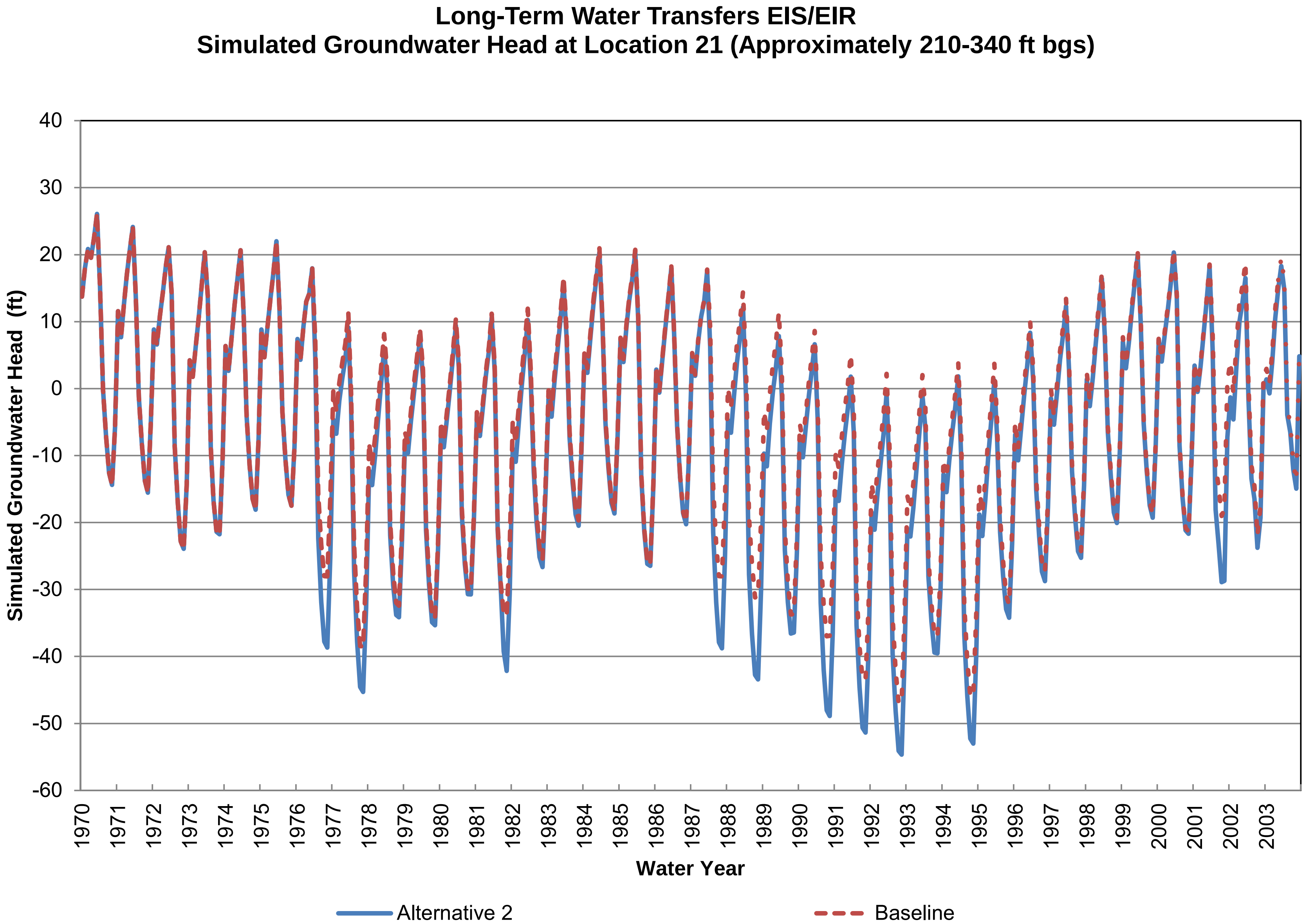
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 21 (Approximately 210-340 ft bgs)
Simulated Groundwater Head (ft)
40
30
20
10
0
-10
-20
-30
-40
-50
-60
1970
1971
1972
1973
1974
1975
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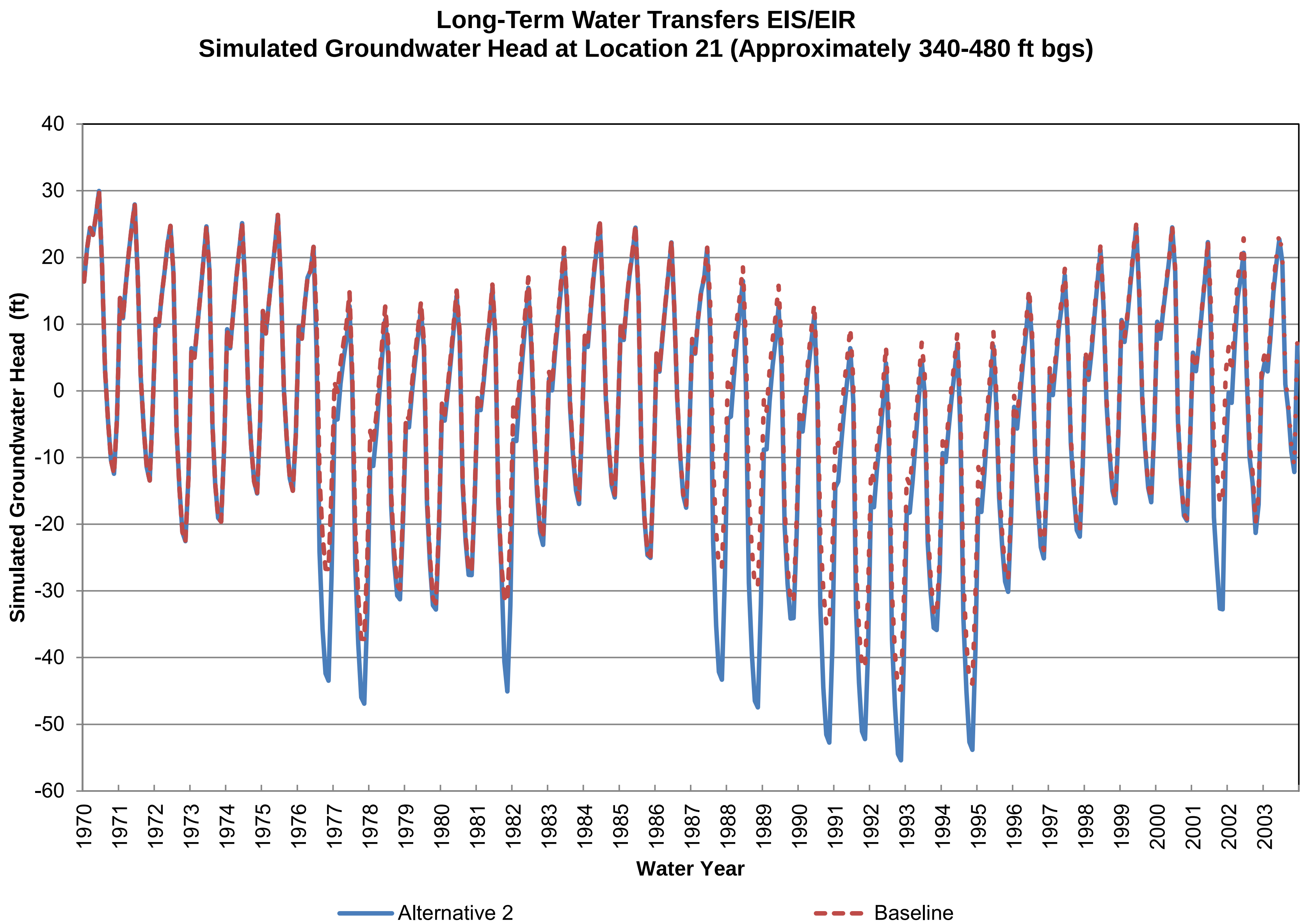
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 21 (Approximately 340-480 ft bgs)
Simulated Groundwater Head (ft)
40
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-10
-20
-30
-40
-50
-60
1970
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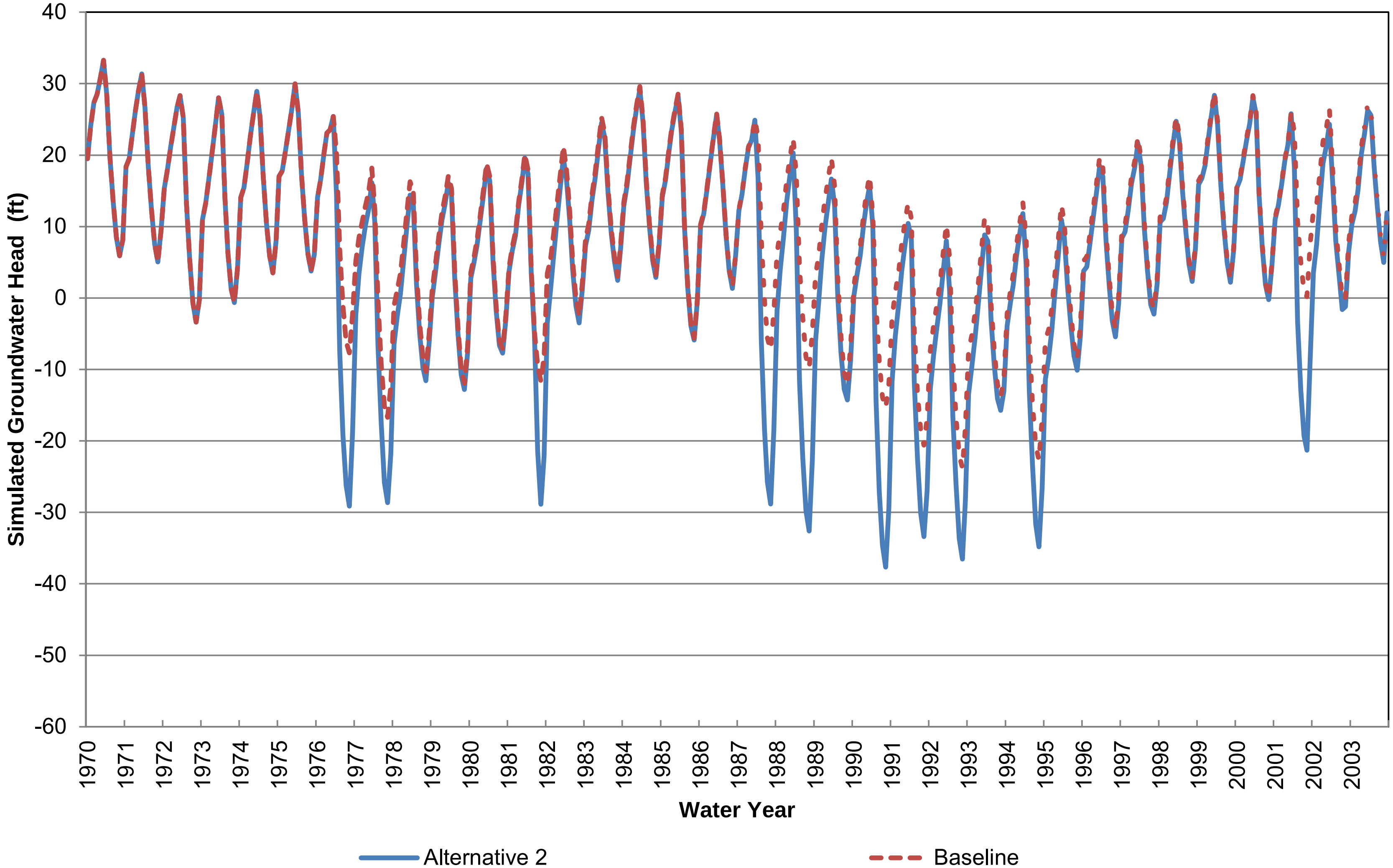
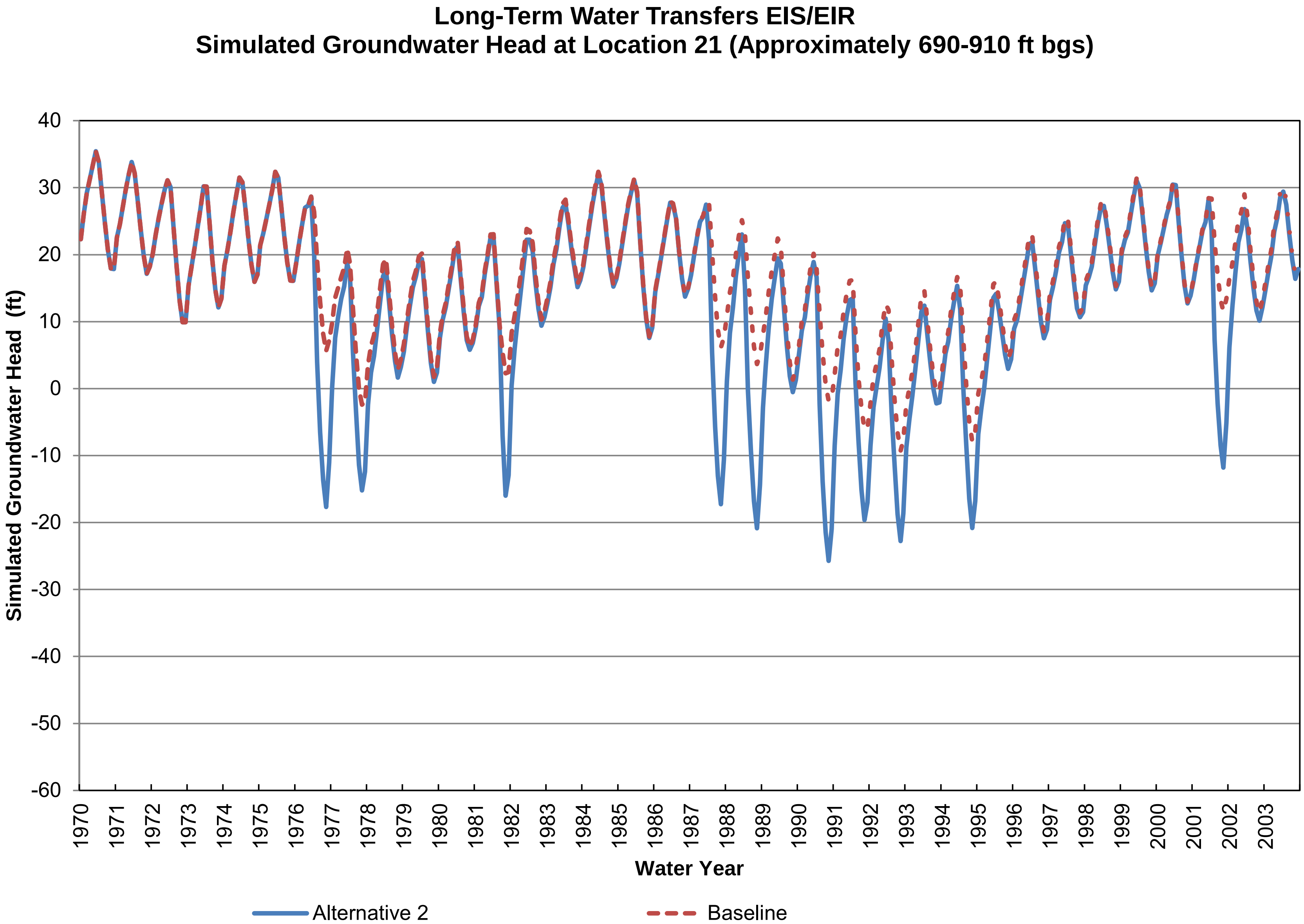
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 21 (Approximately 480-690 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 21 (Approximately 690-910 ft bgs)
Simulated Groundwater Head (ft)
40
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20
10
0
-10
-20
-30
-40
-50
-60
1970
1971
1972
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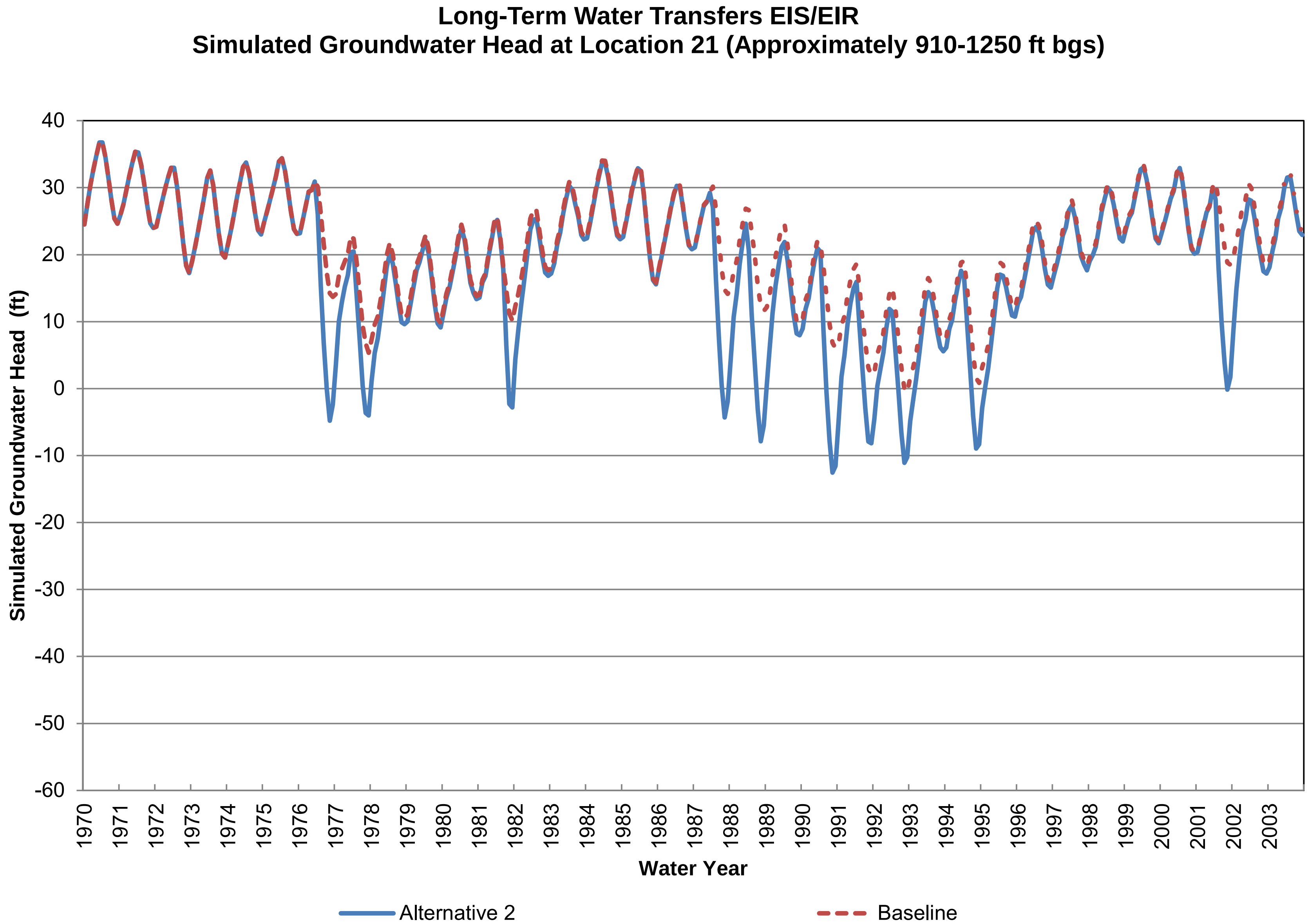
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 21 (Approximately 910-1250 ft bgs)
Simulated Groundwater Head (ft)
40
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0
-10
-20
-30
-40
-50
-60
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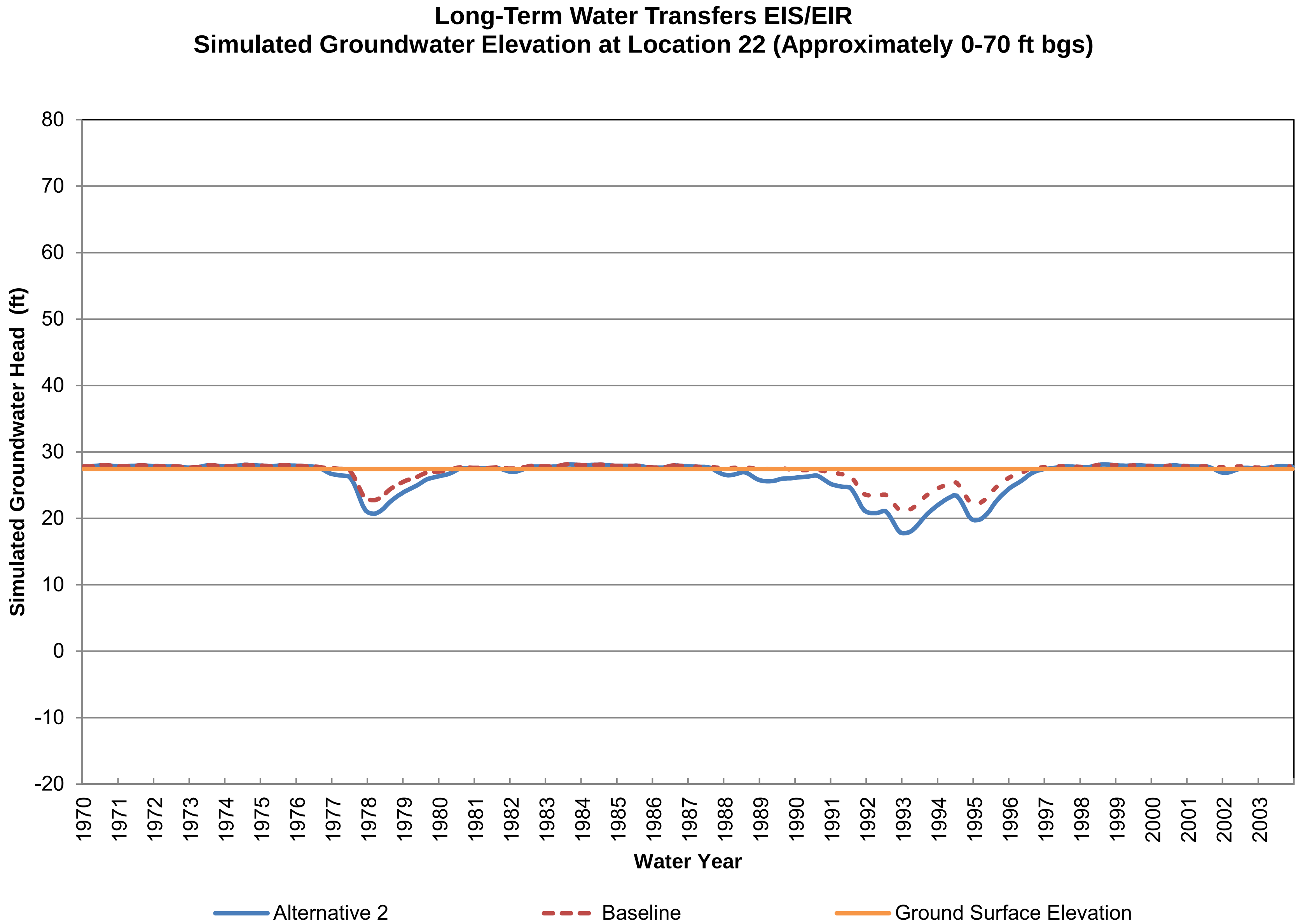
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 22 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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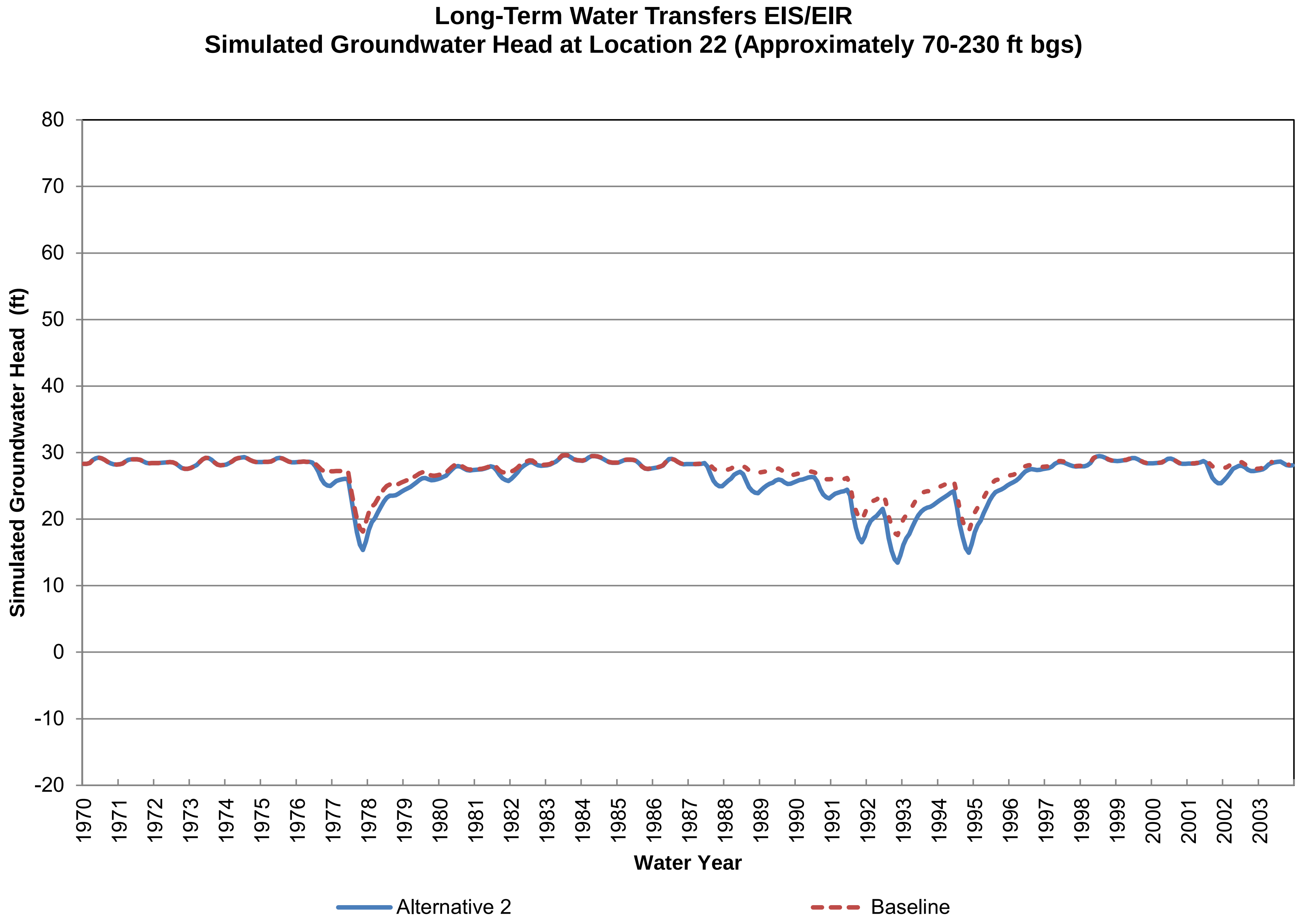
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 22 (Approximately 70-230 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1988
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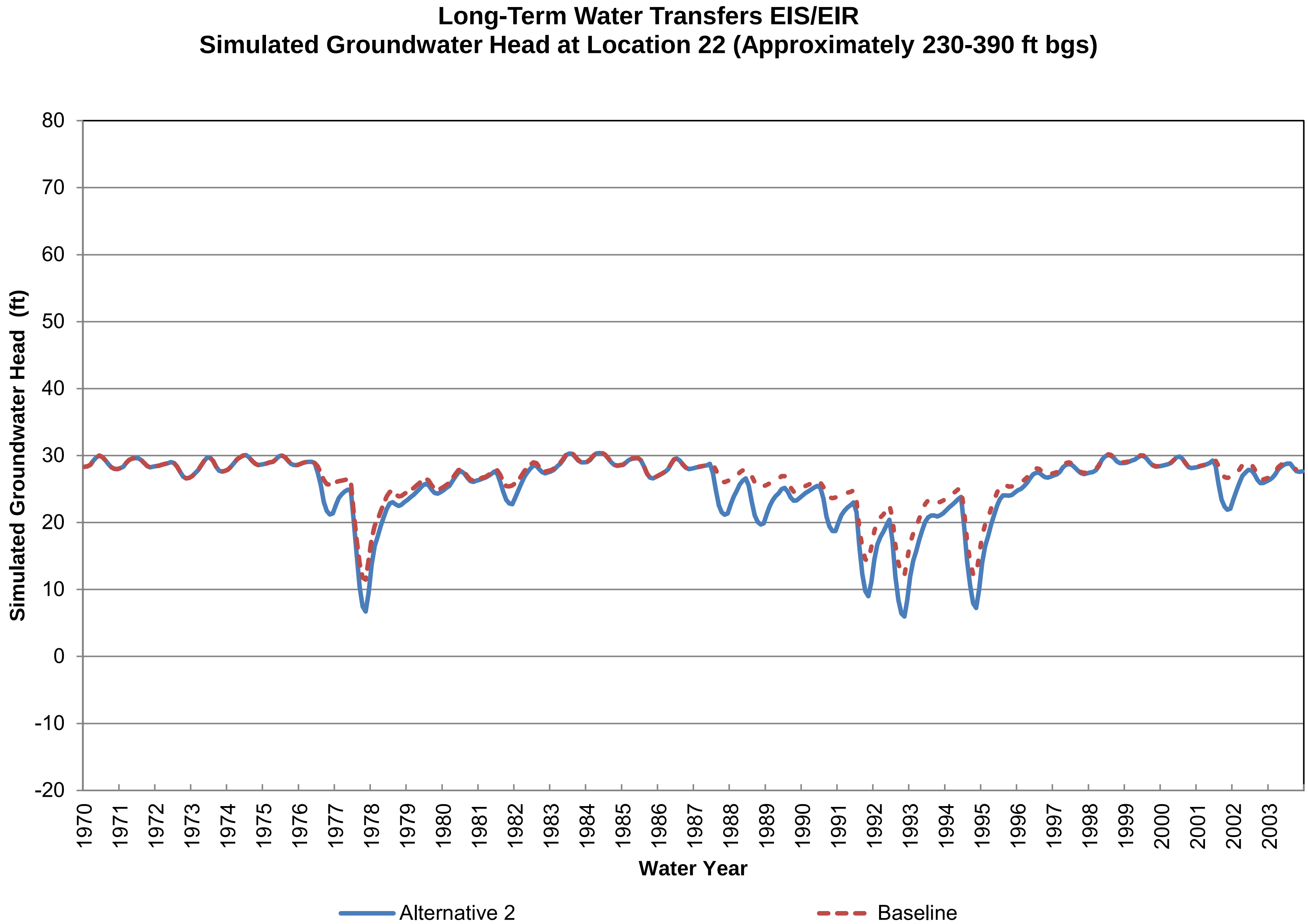
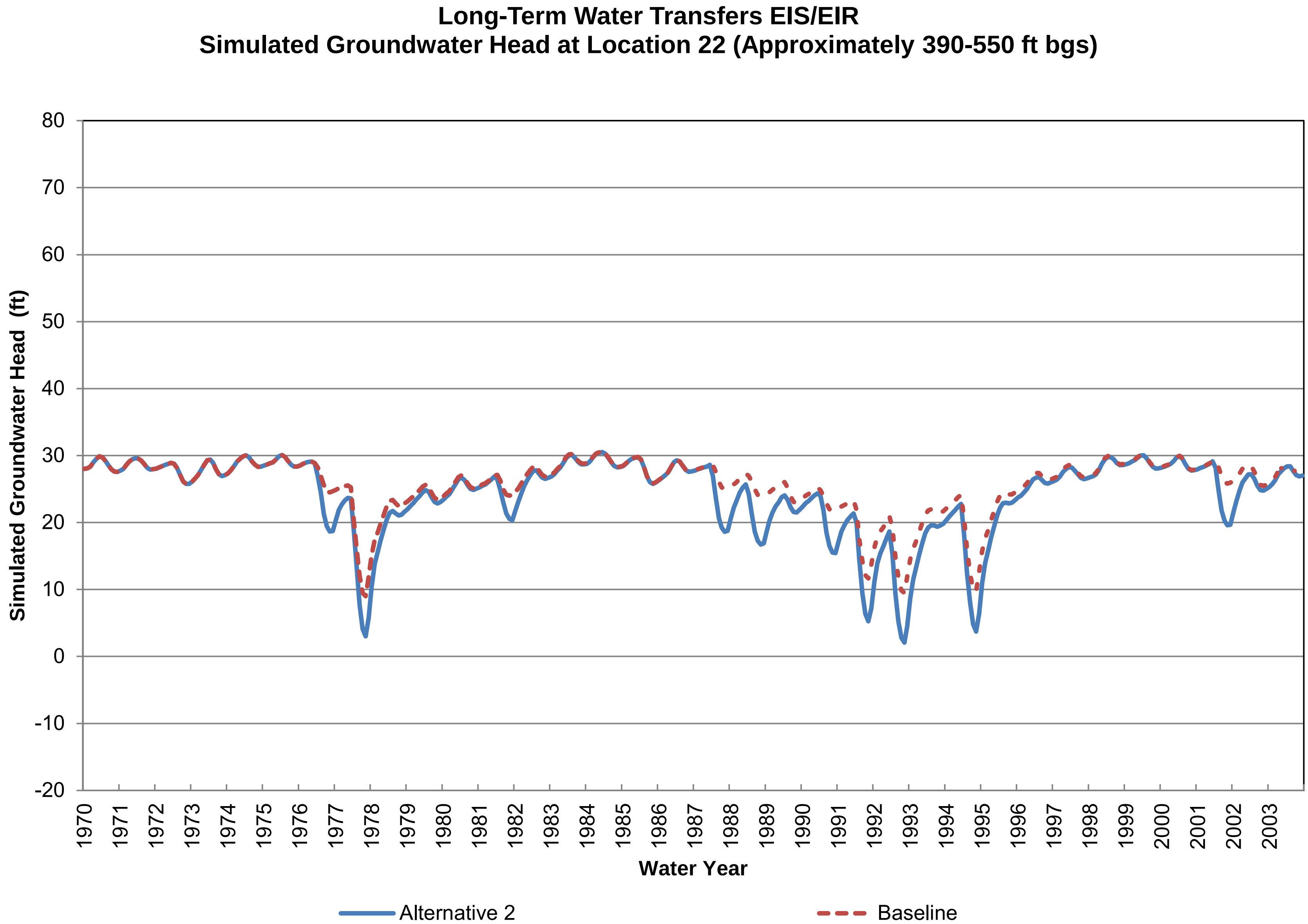
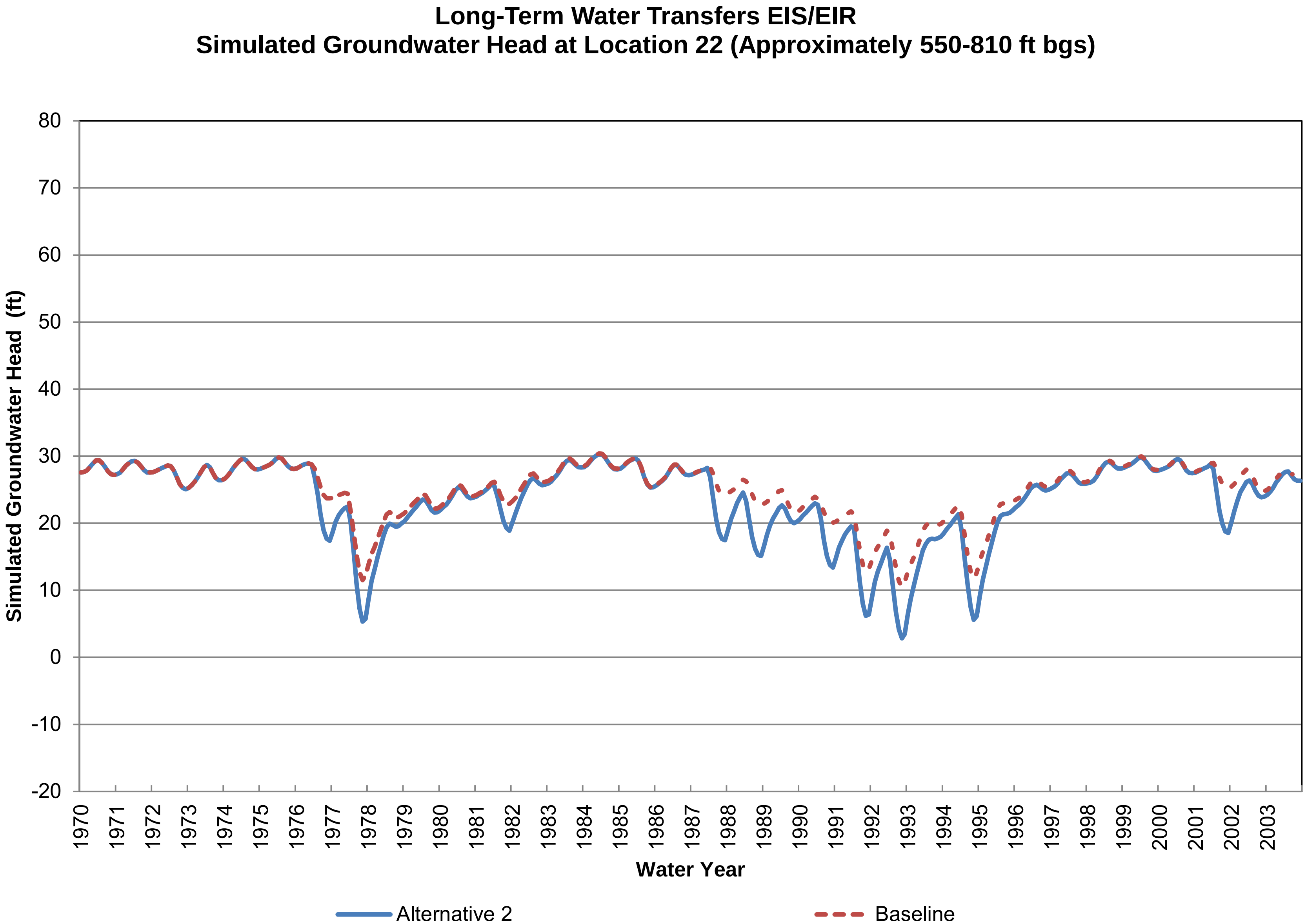
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 22 (Approximately 230-390 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 22 (Approximately 390-550 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 22 (Approximately 550-810 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1986
1987
1988
1989
1990
1991
1992
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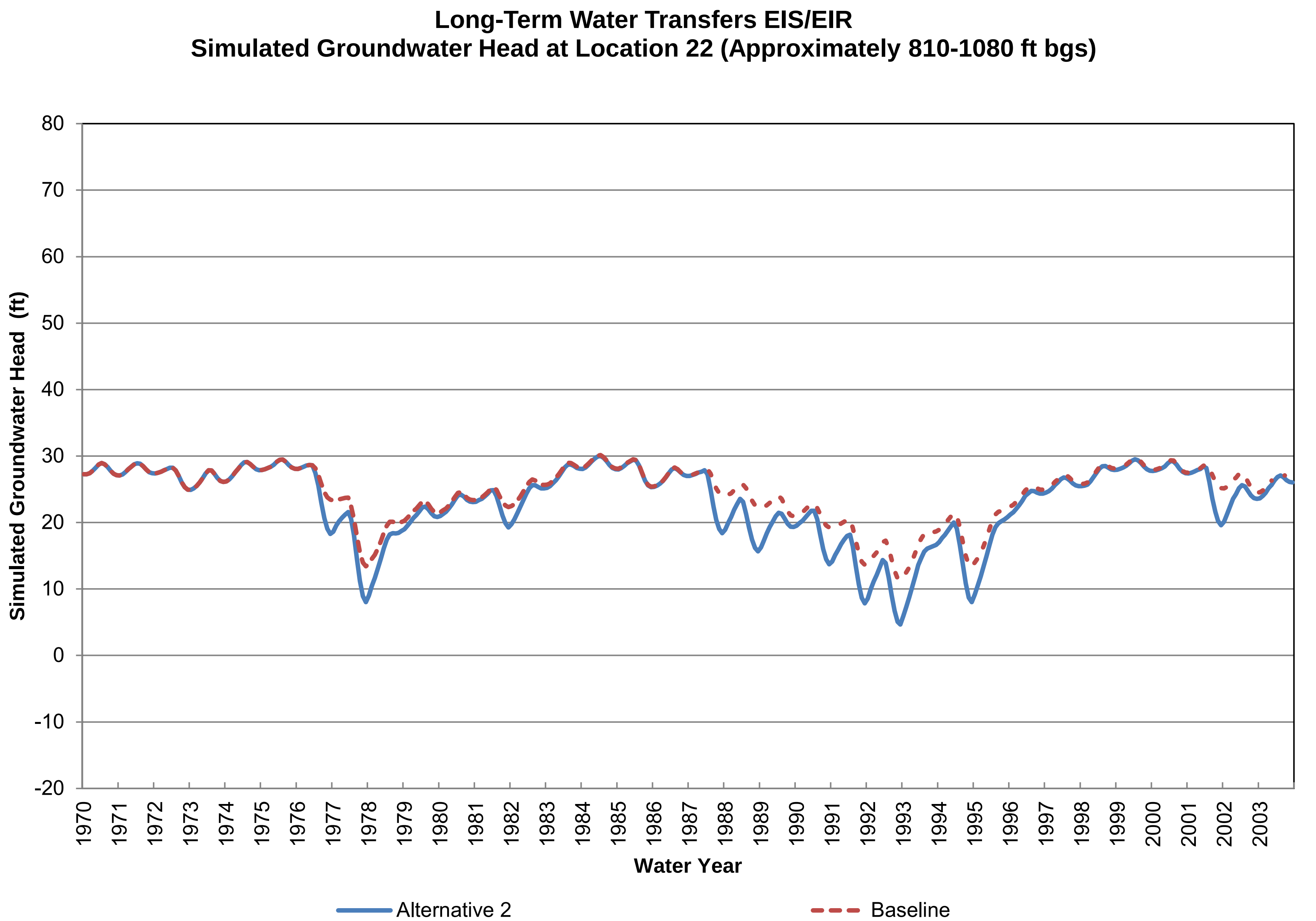
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 22 (Approximately 810-1080 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1987
1988
1989
1990
1991
1992
1993
1994
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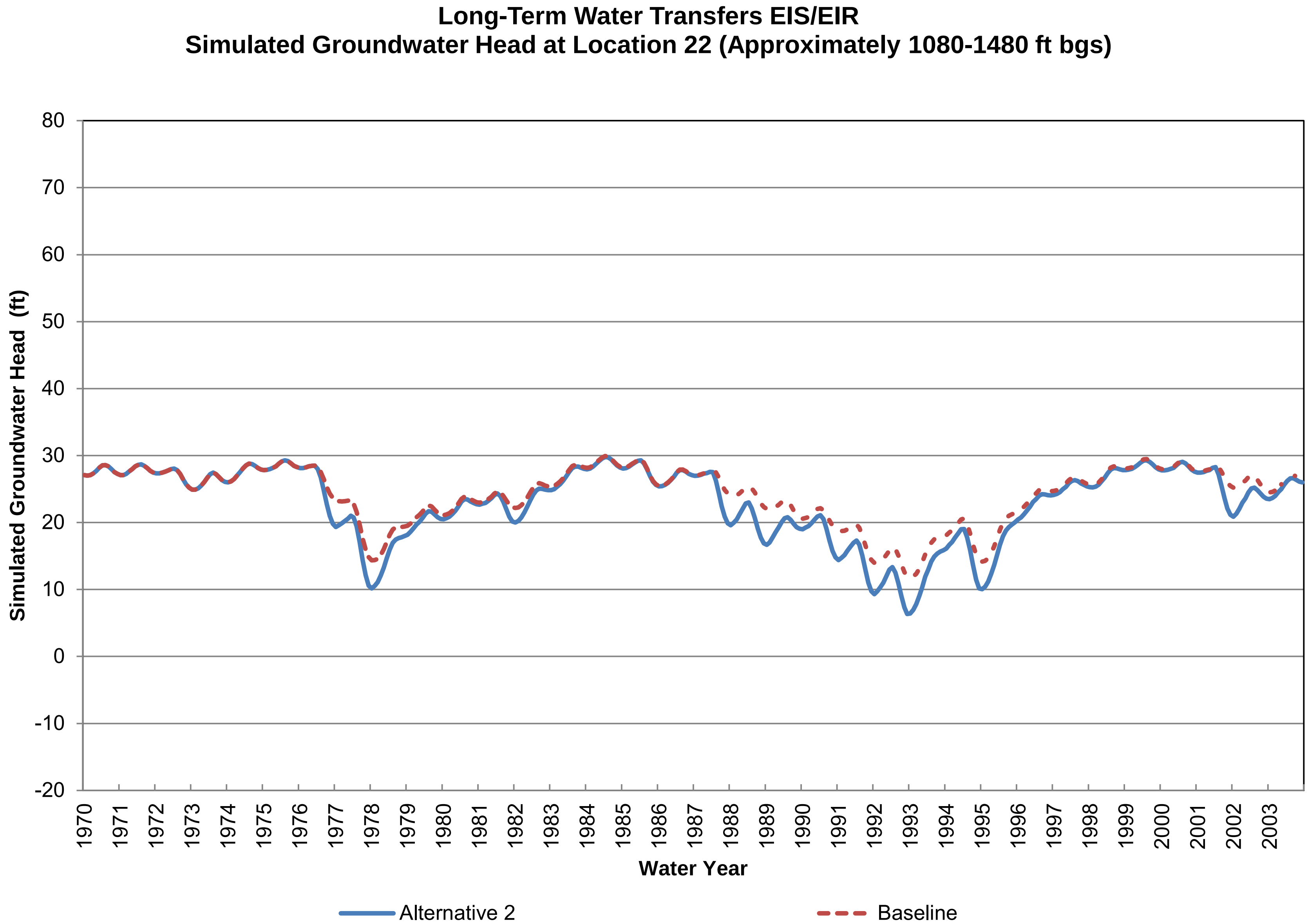
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 22 (Approximately 1080-1480 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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1988
1989
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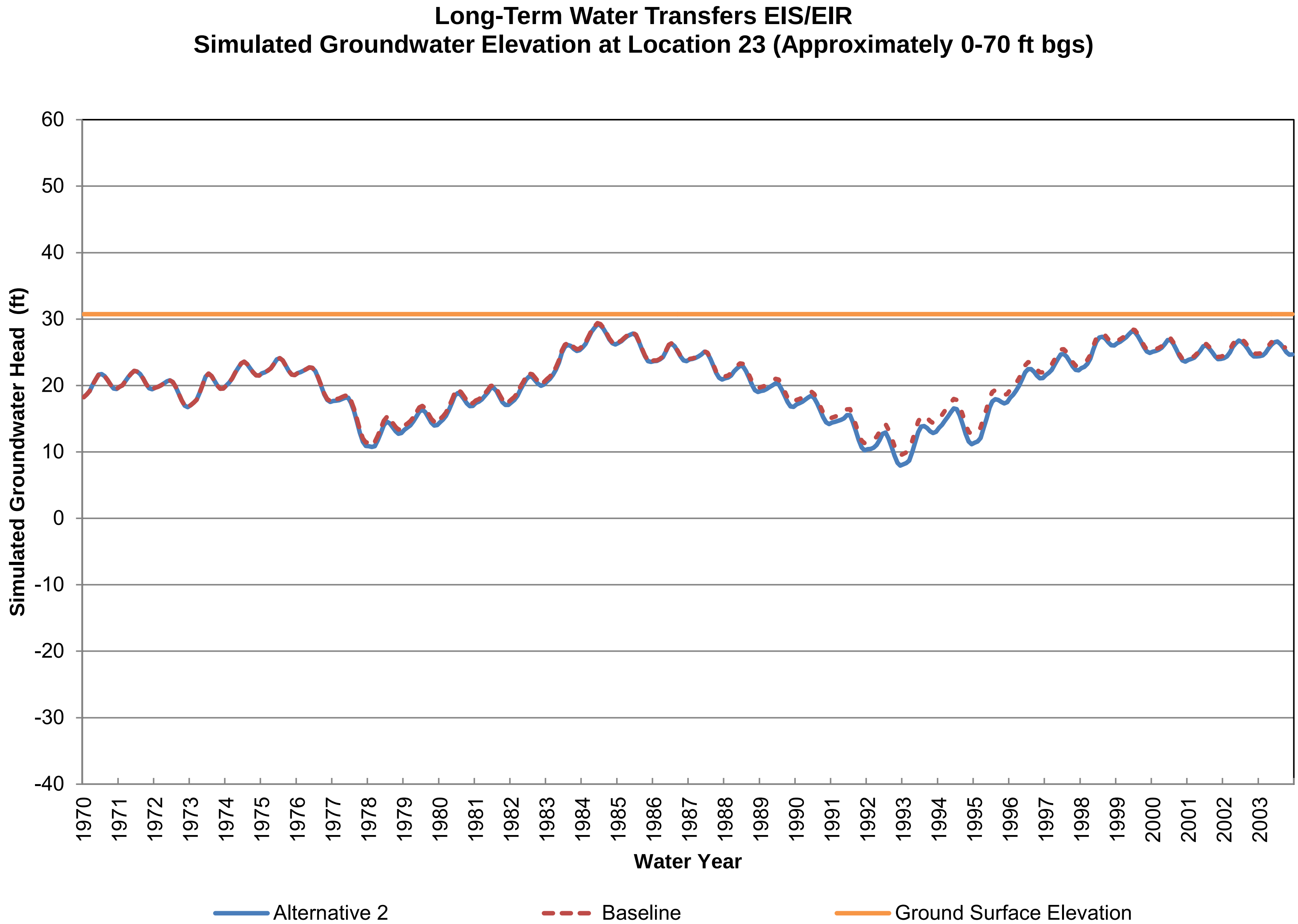
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 23 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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1981
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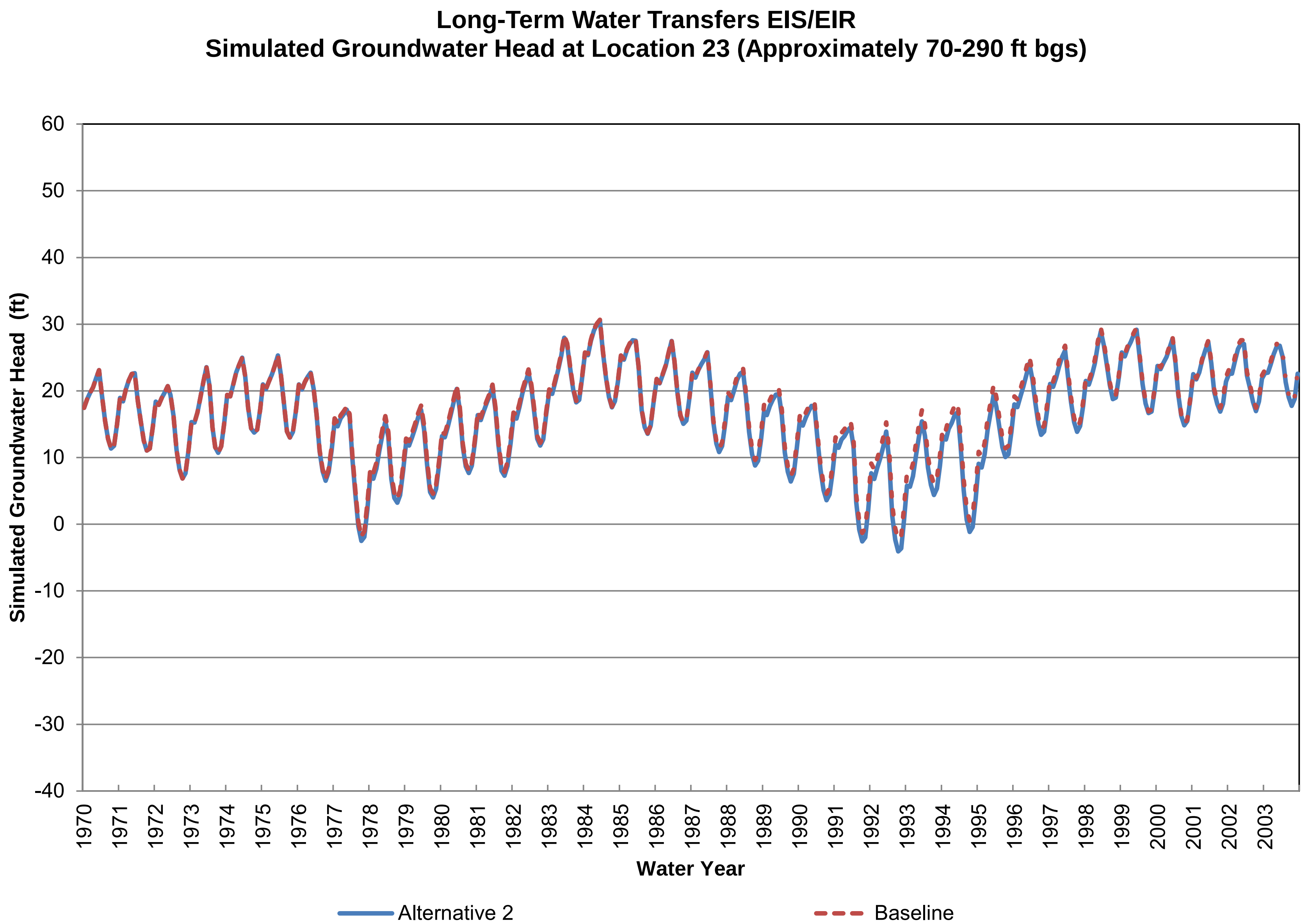
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 23 (Approximately 70-290 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
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1978
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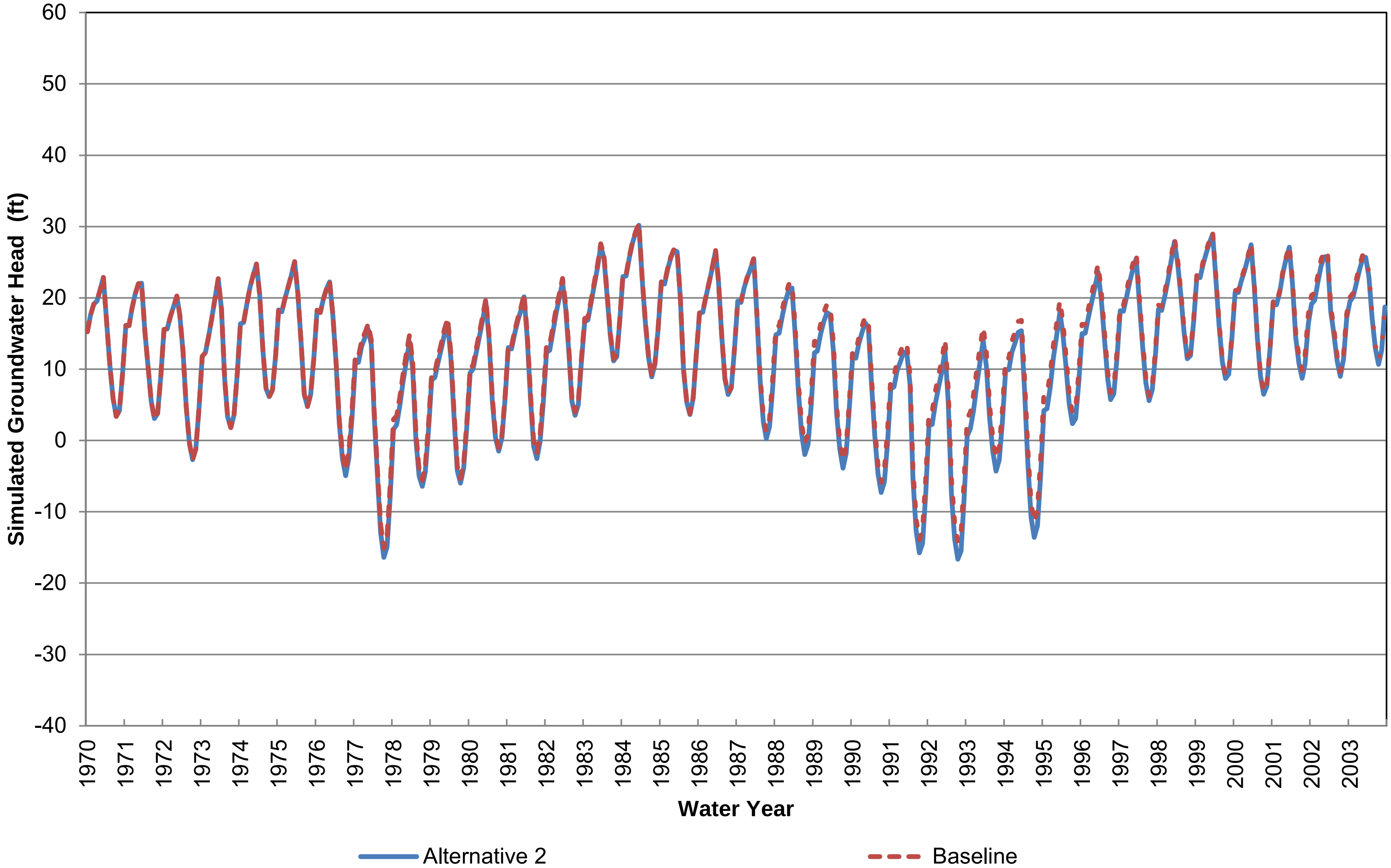
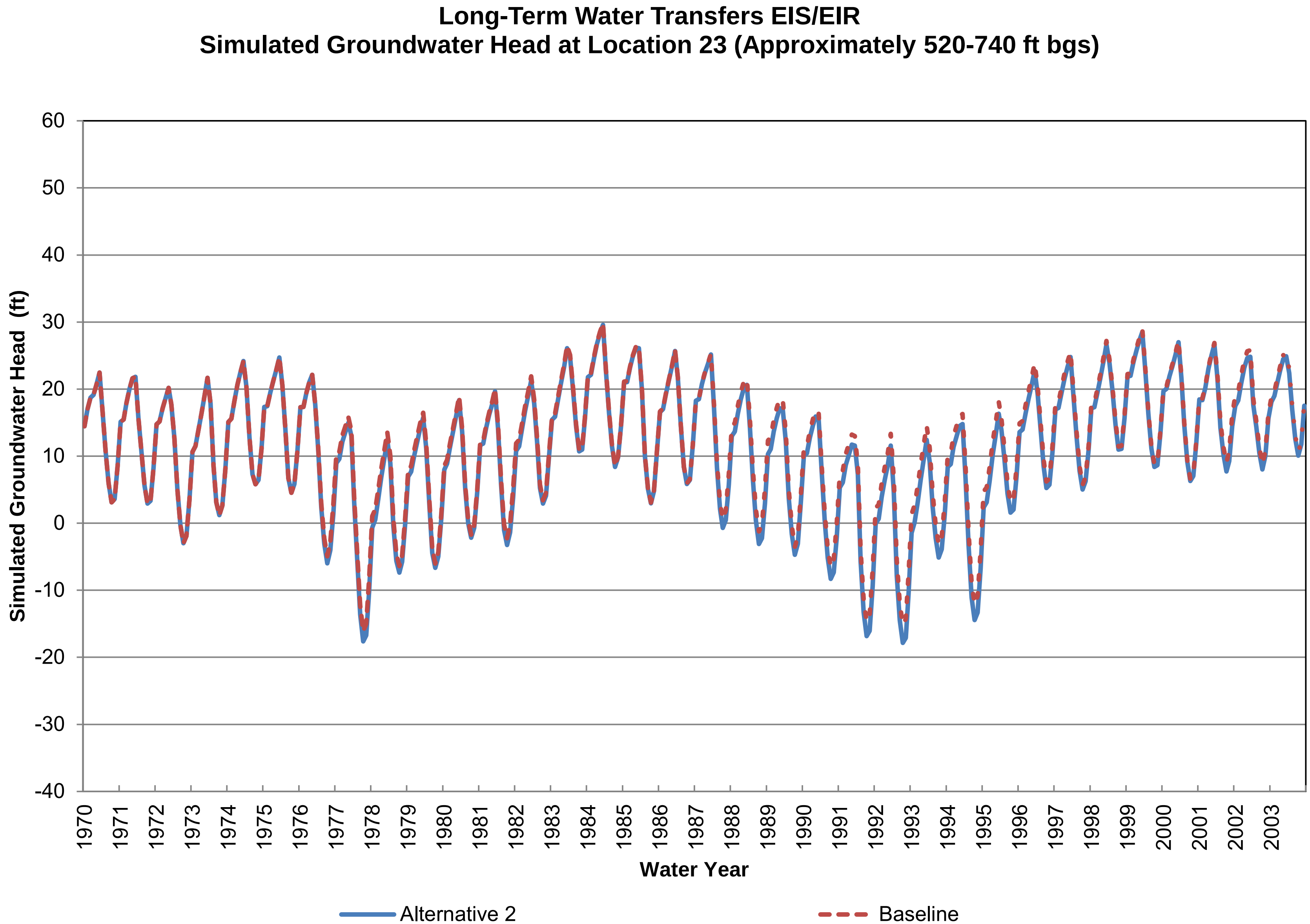
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 23 (Approximately 290-520 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 23 (Approximately 520-740 ft bgs)
60
50
40
30
20
10
0
-10
-20
-30
-40
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1986
1987
1988
1989
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1994
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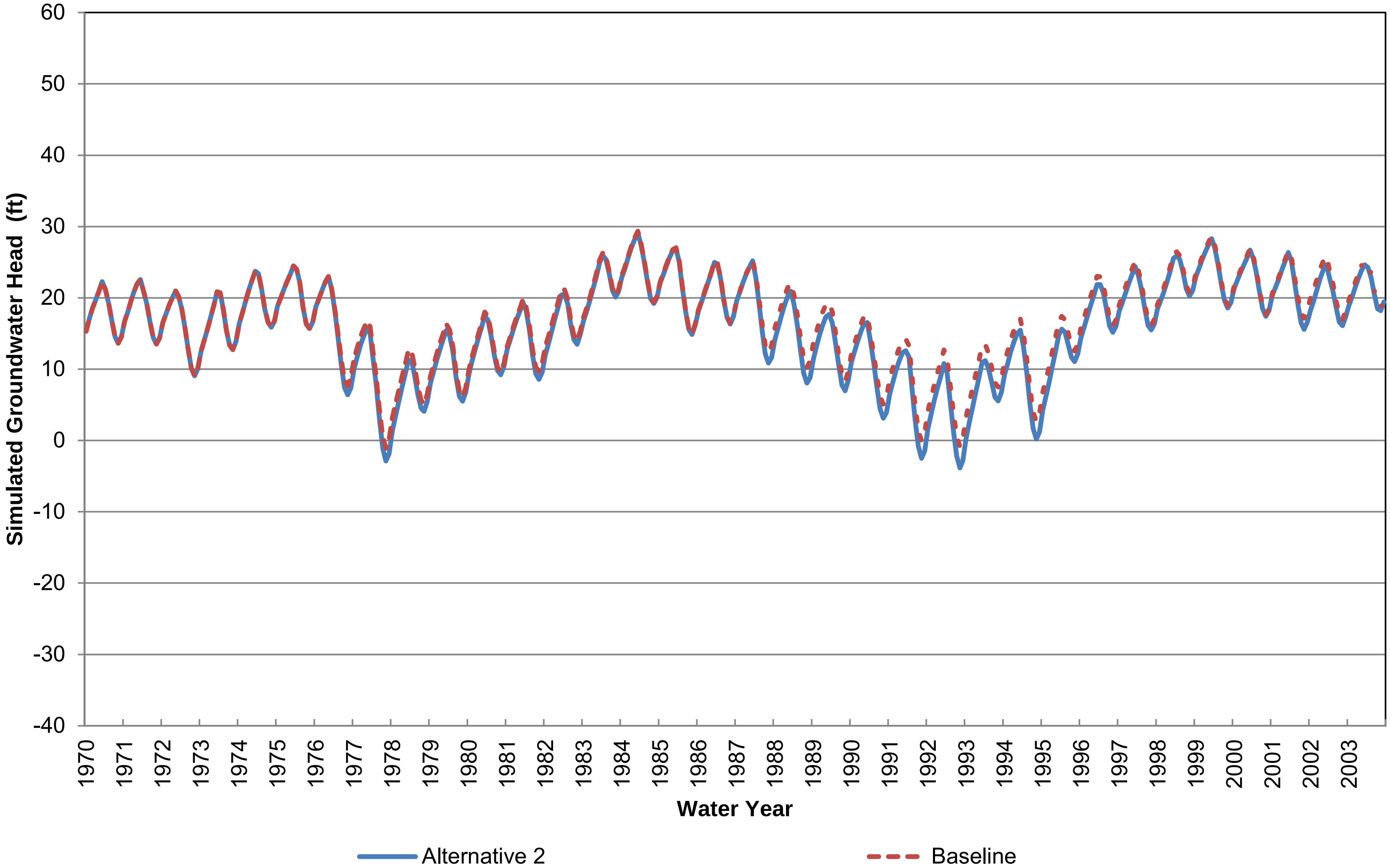
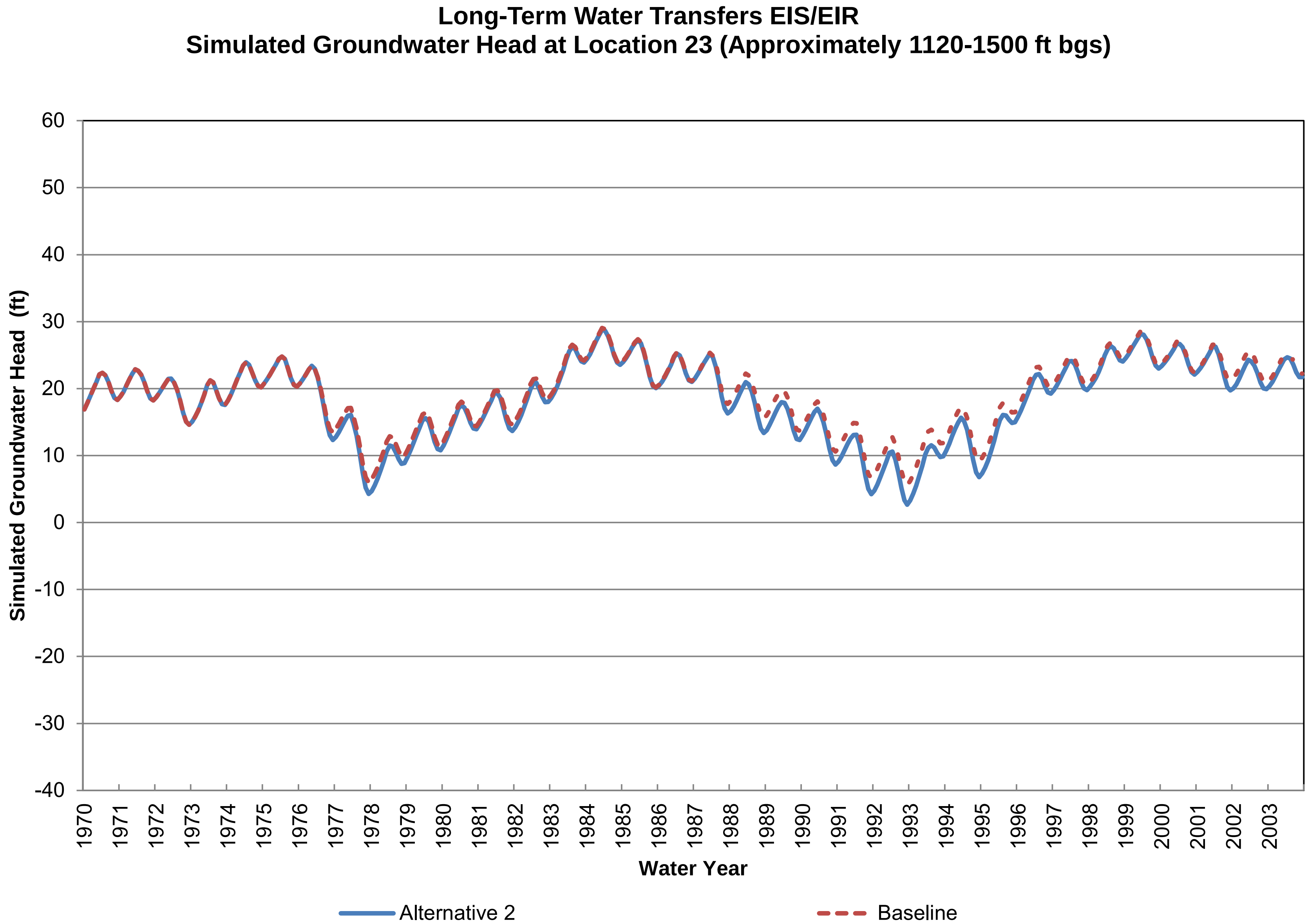
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 23 (Approximately 740-1120 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 23 (Approximately 1120-1500 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
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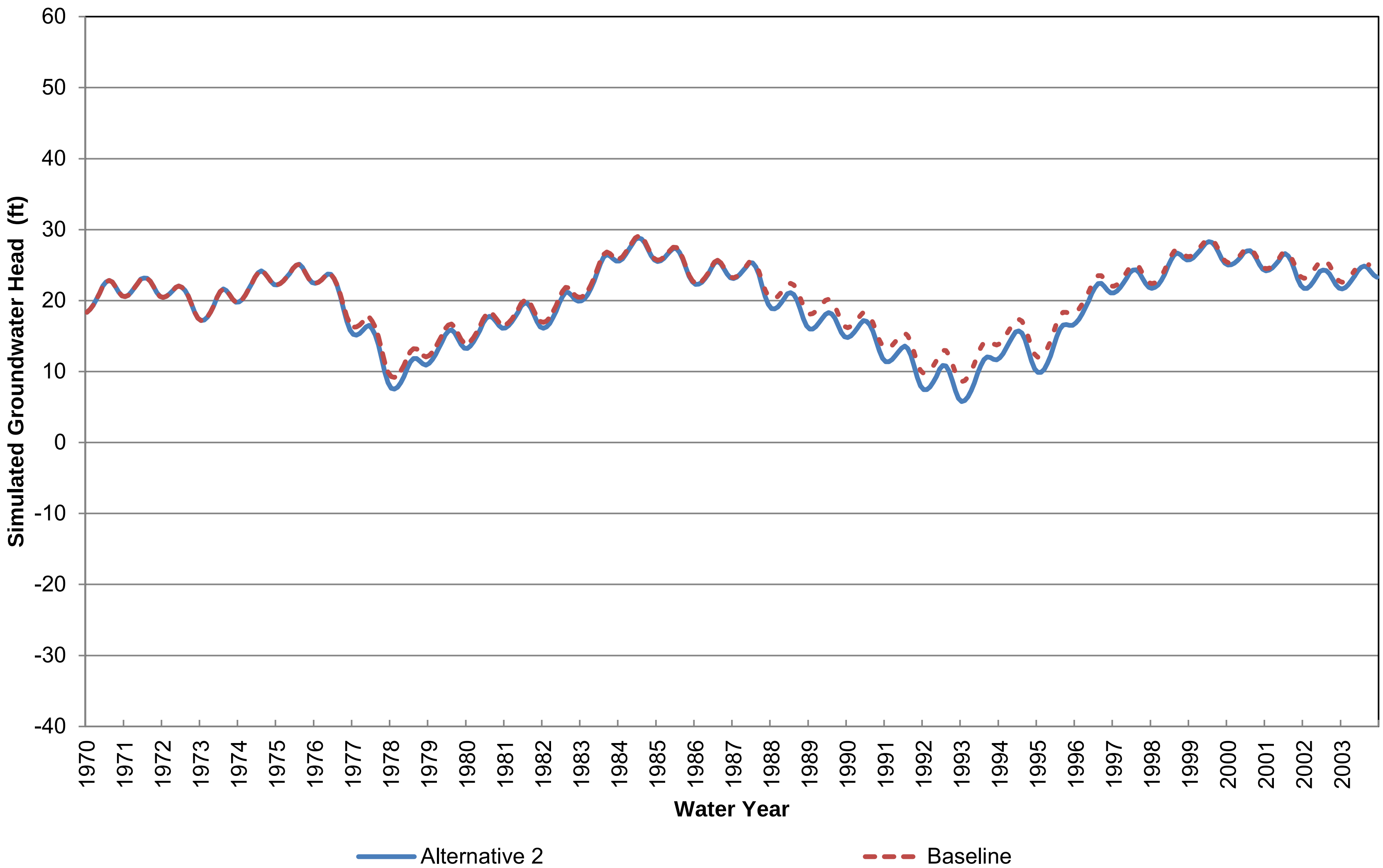
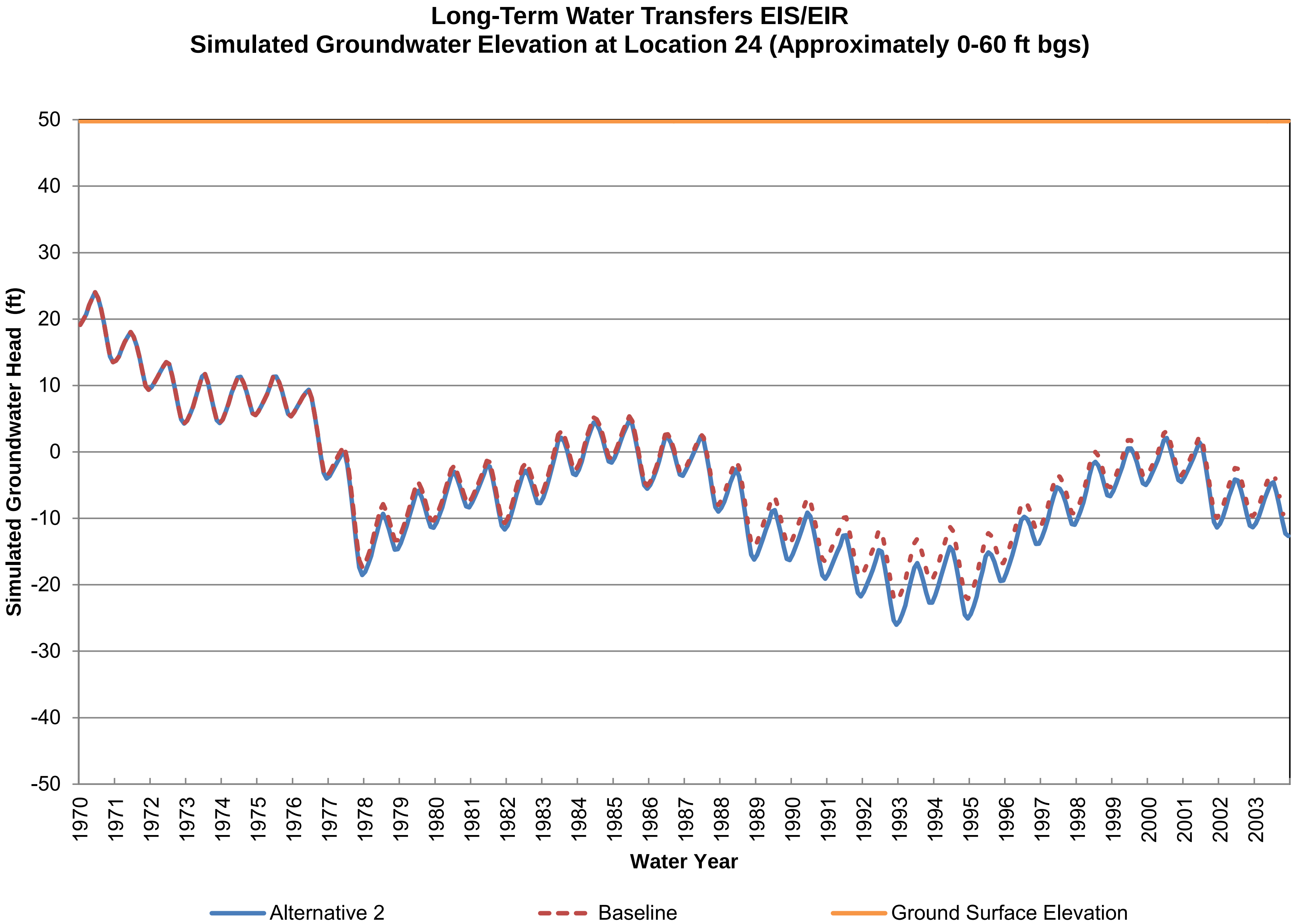
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 23 (Approximately 1500-2050 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 24 (Approximately 0-60 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
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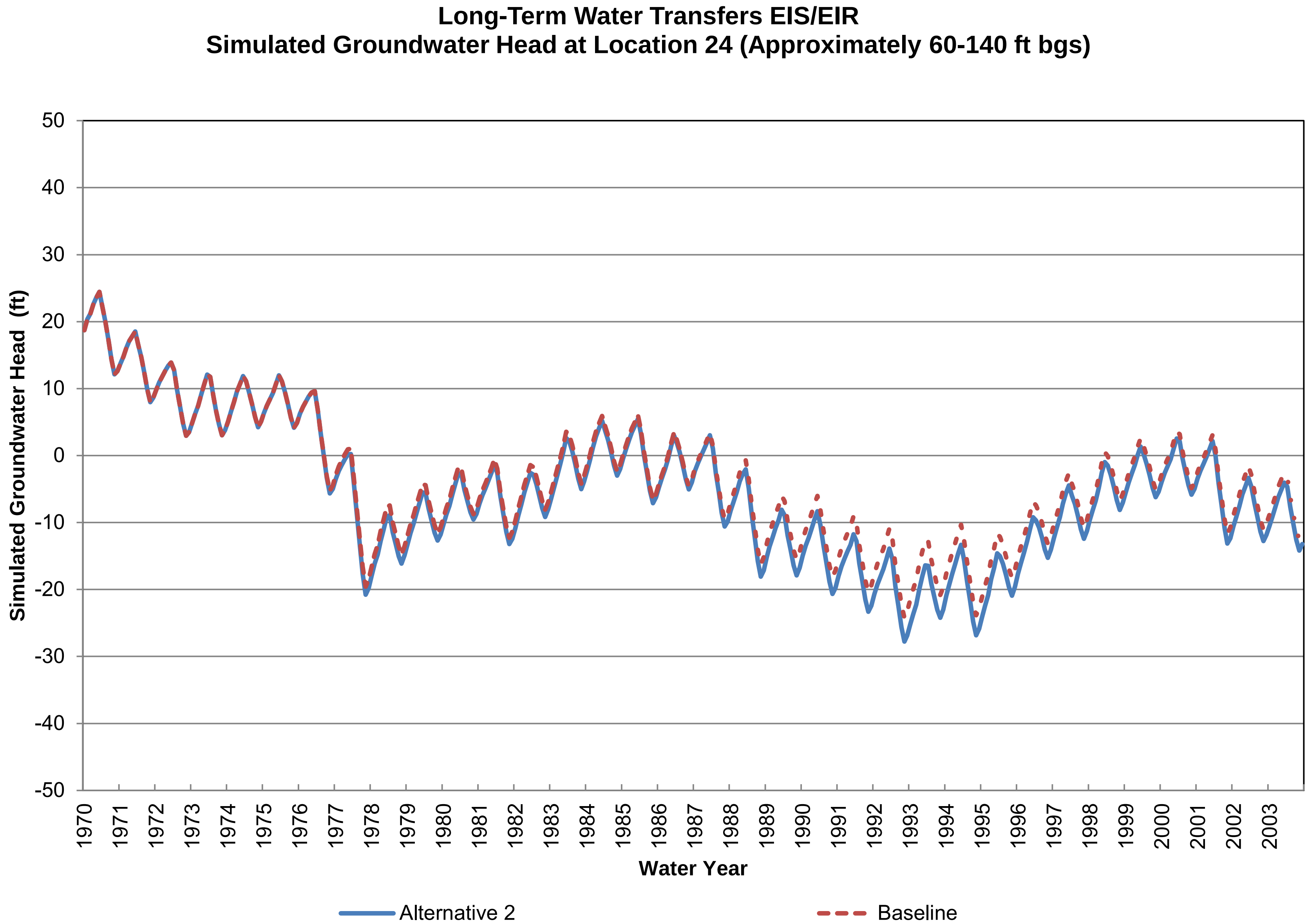
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 24 (Approximately 60-140 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1998
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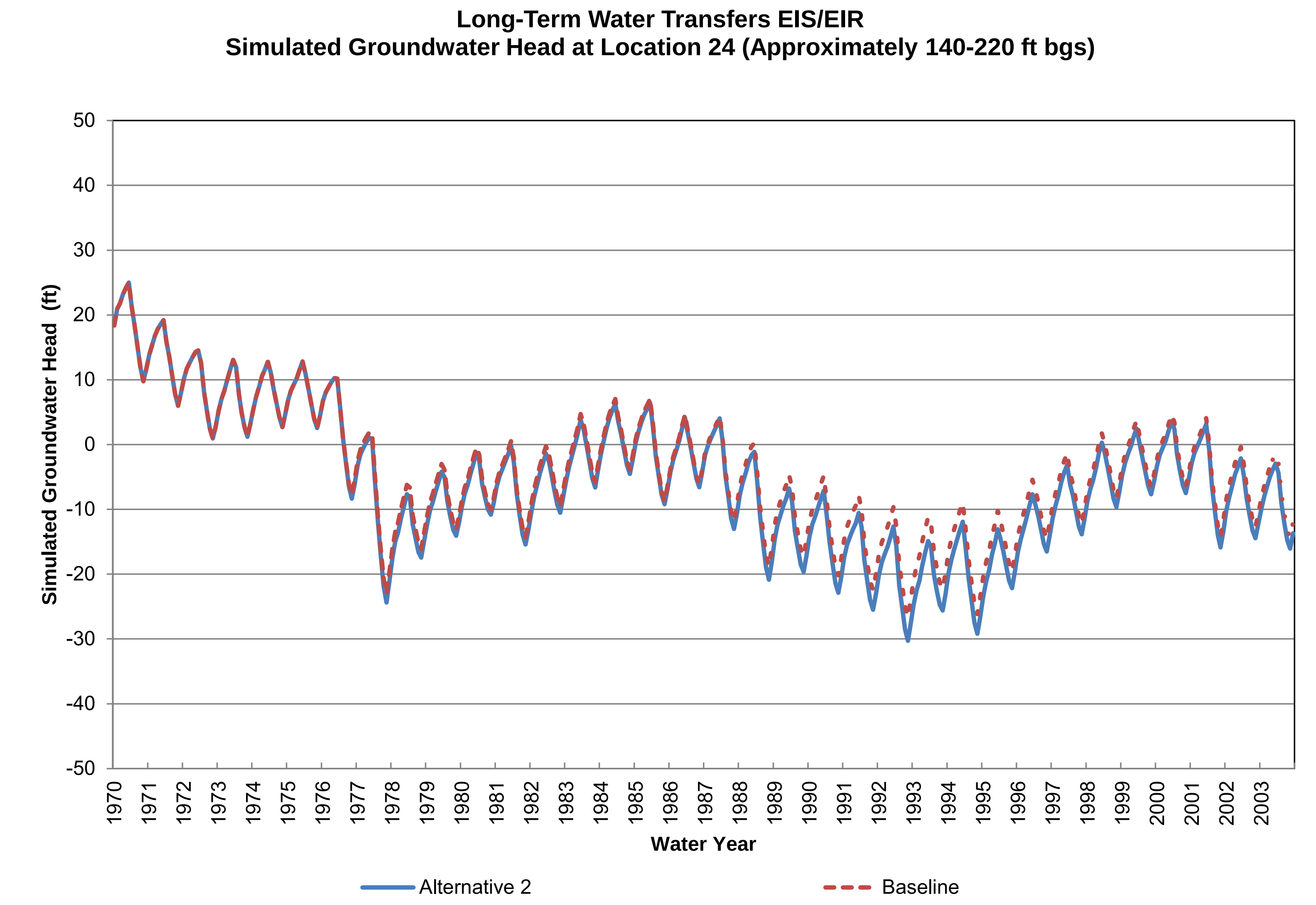
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 24 (Approximately 140-220 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1988
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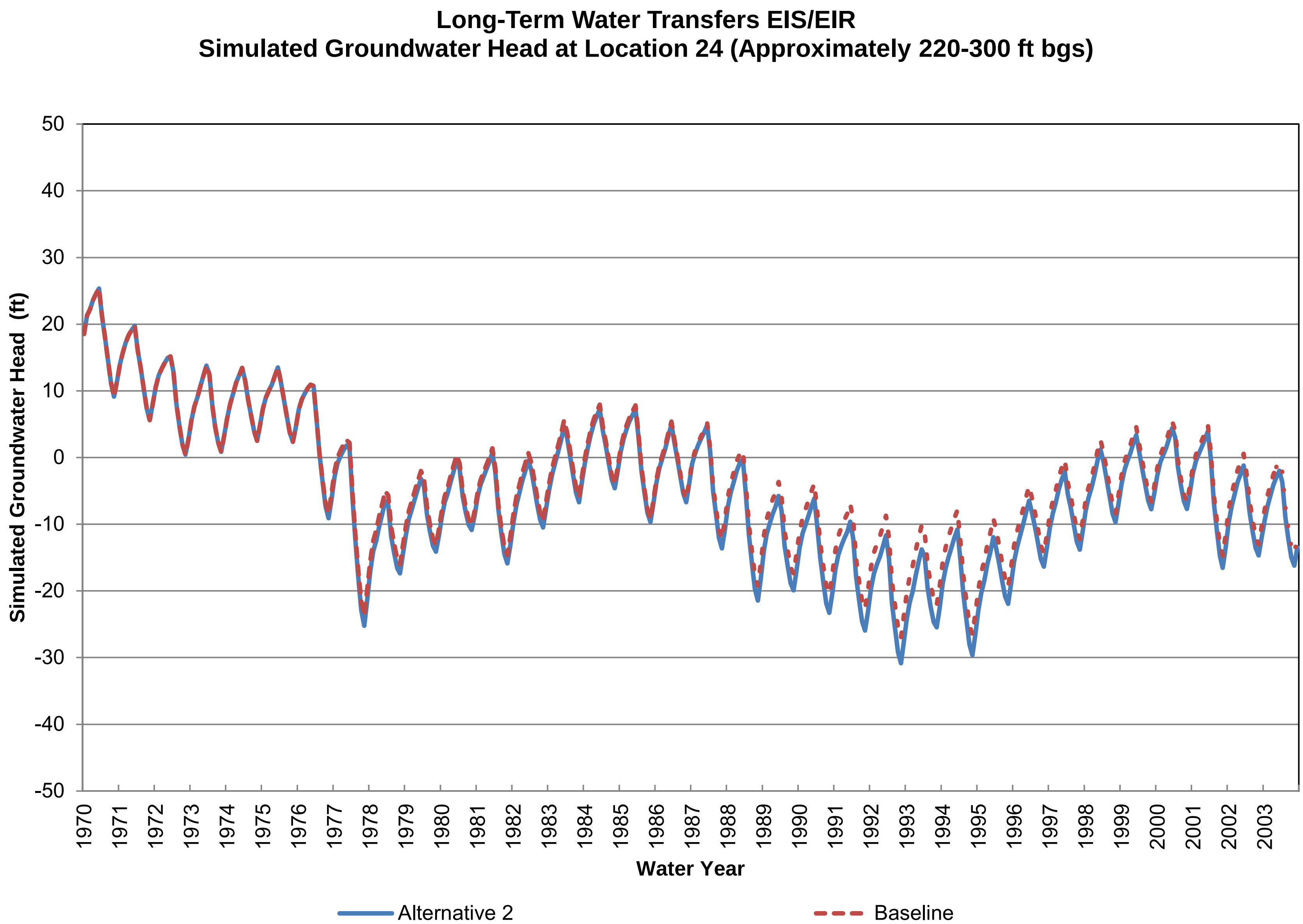
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 24 (Approximately 220-300 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1986
1987
1988
1989
1990
1991
1992
1993
1994
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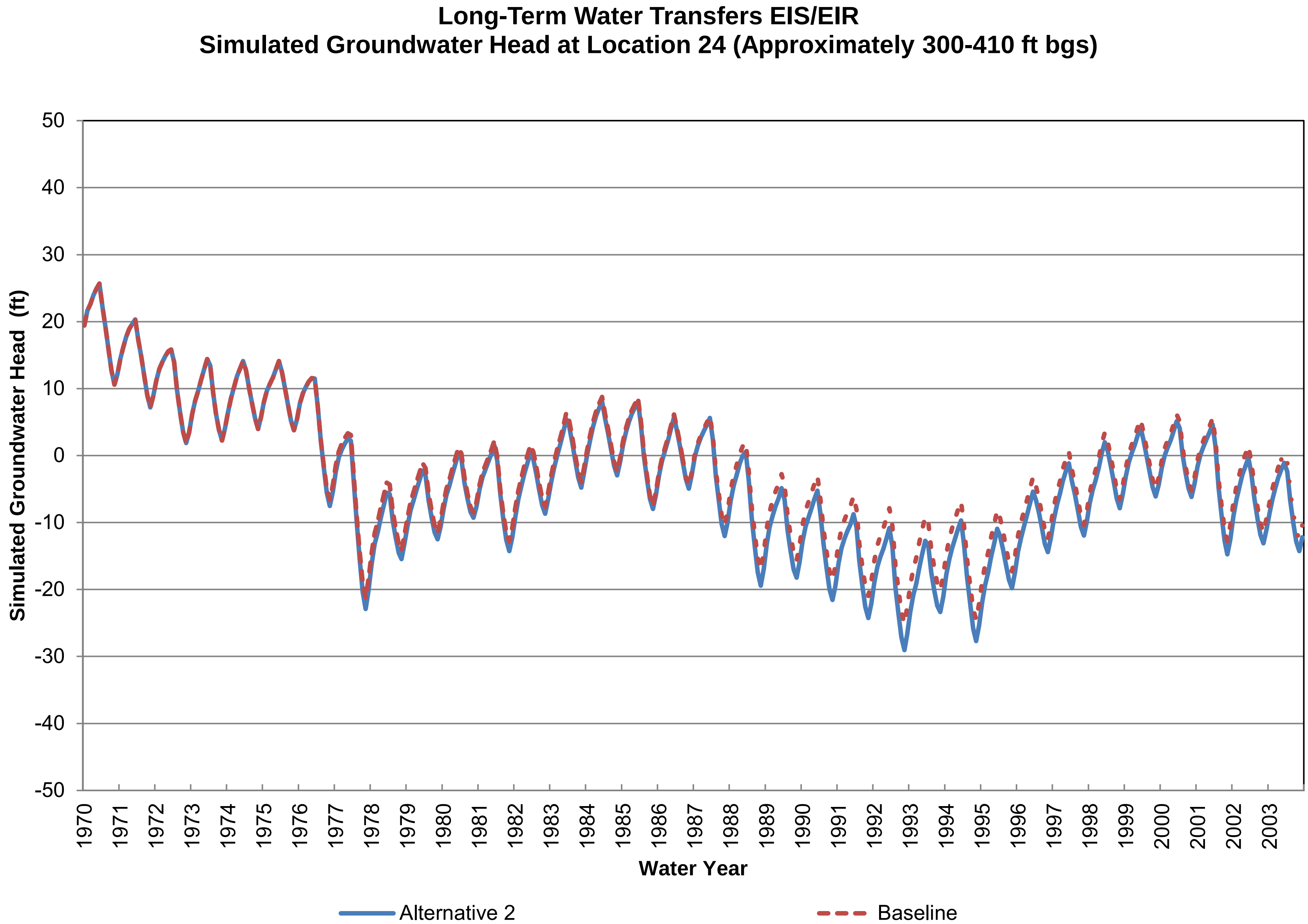
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 24 (Approximately 300-410 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
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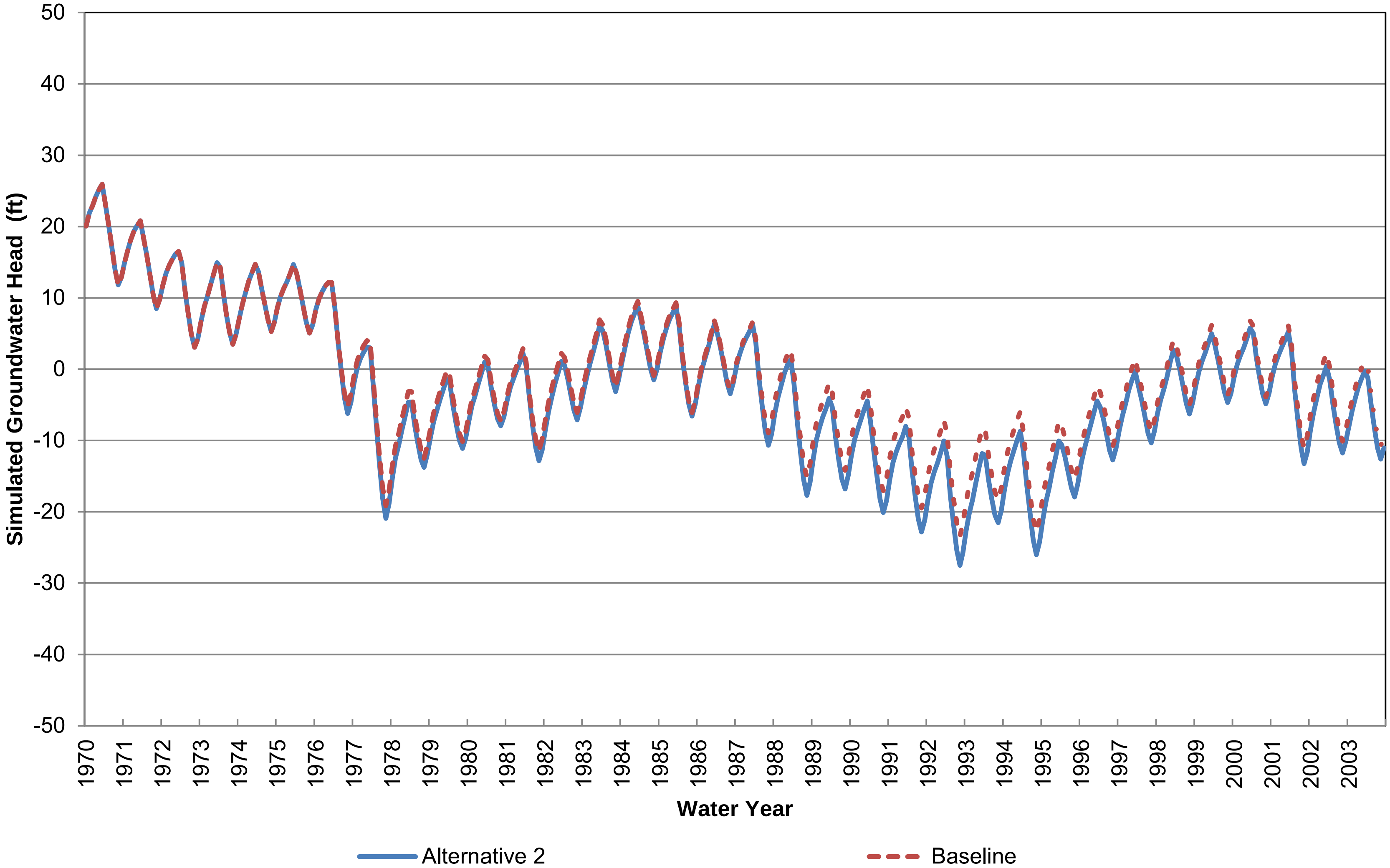
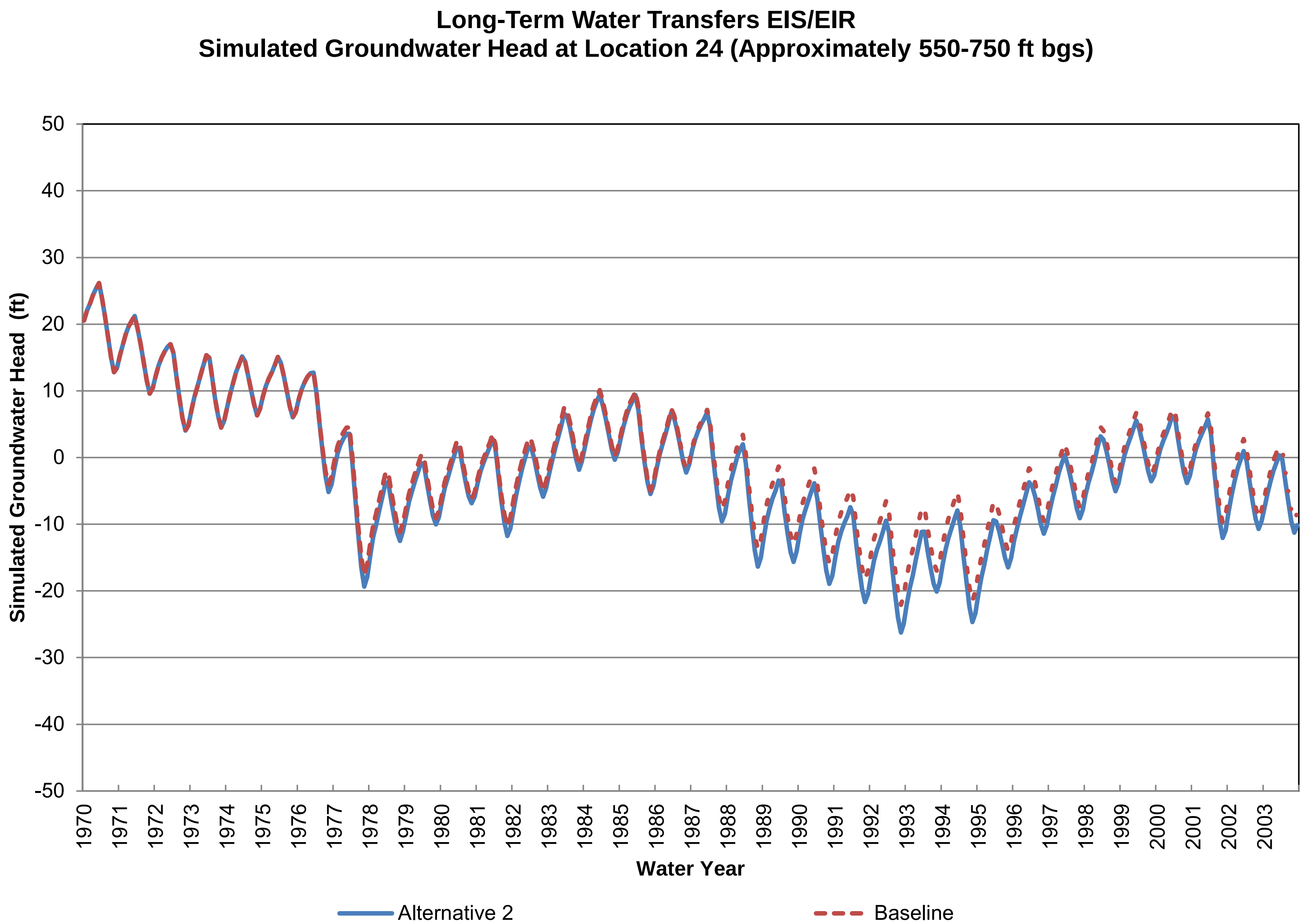
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 24 (Approximately 410-550 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 24 (Approximately 550-750 ft bgs)
50
40
30
20
10
0
-10
-20
-30
-40
-50
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
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1994
1995
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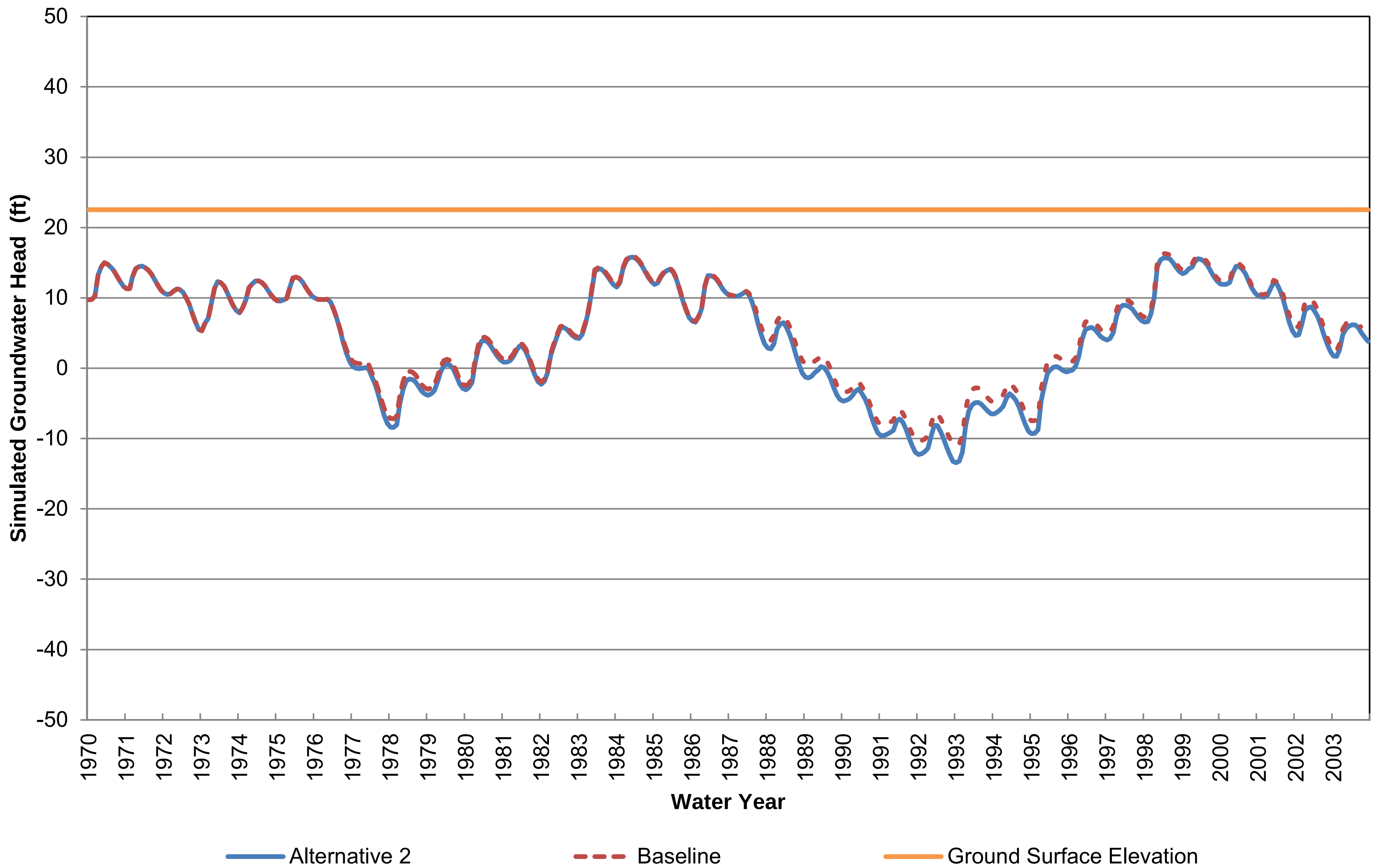
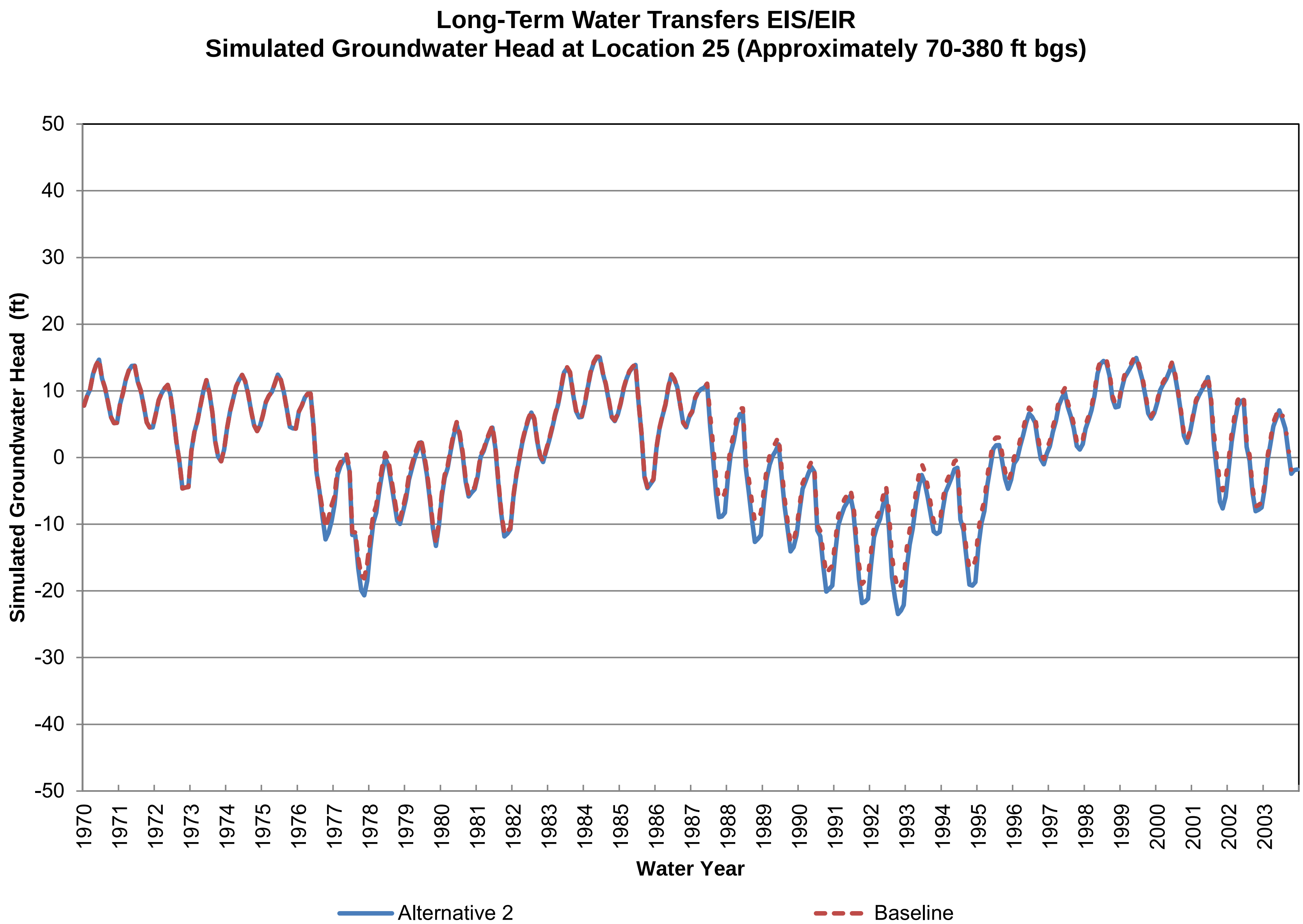
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 25 (Approximately 0-70 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 25 (Approximately 70-380 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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1983
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1989
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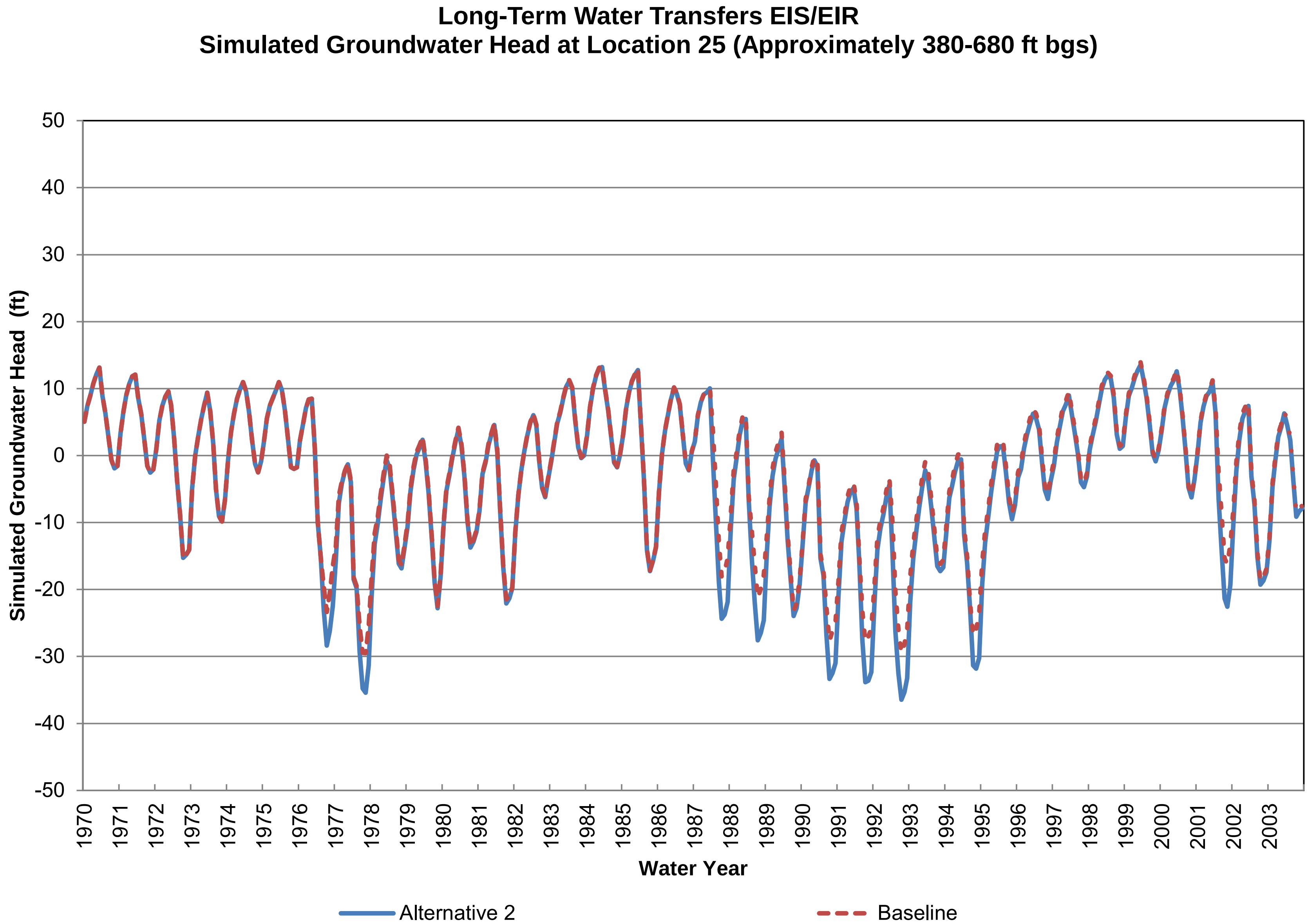
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 25 (Approximately 380-680 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1983
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1998
1999
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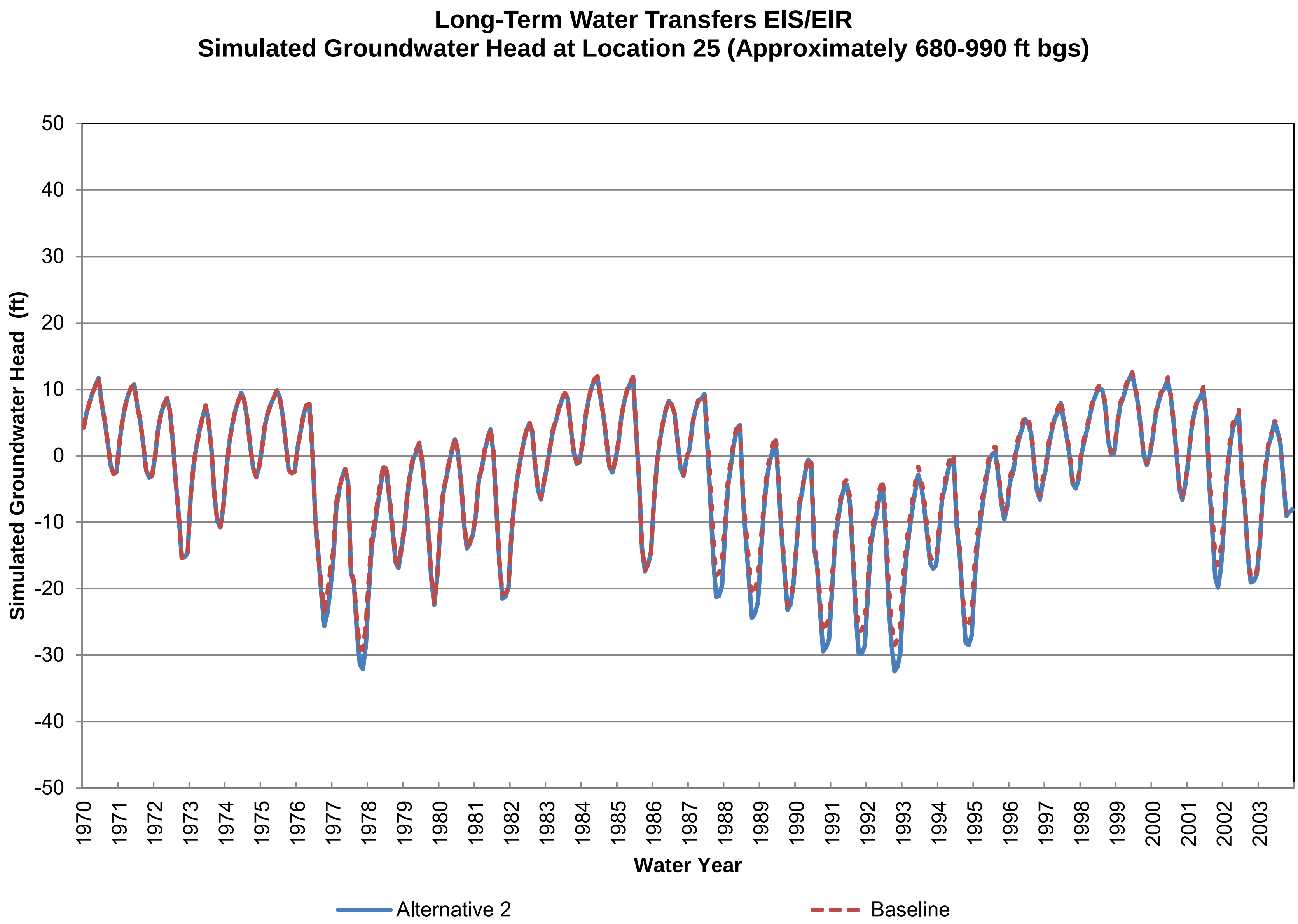
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 25 (Approximately 680-990 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
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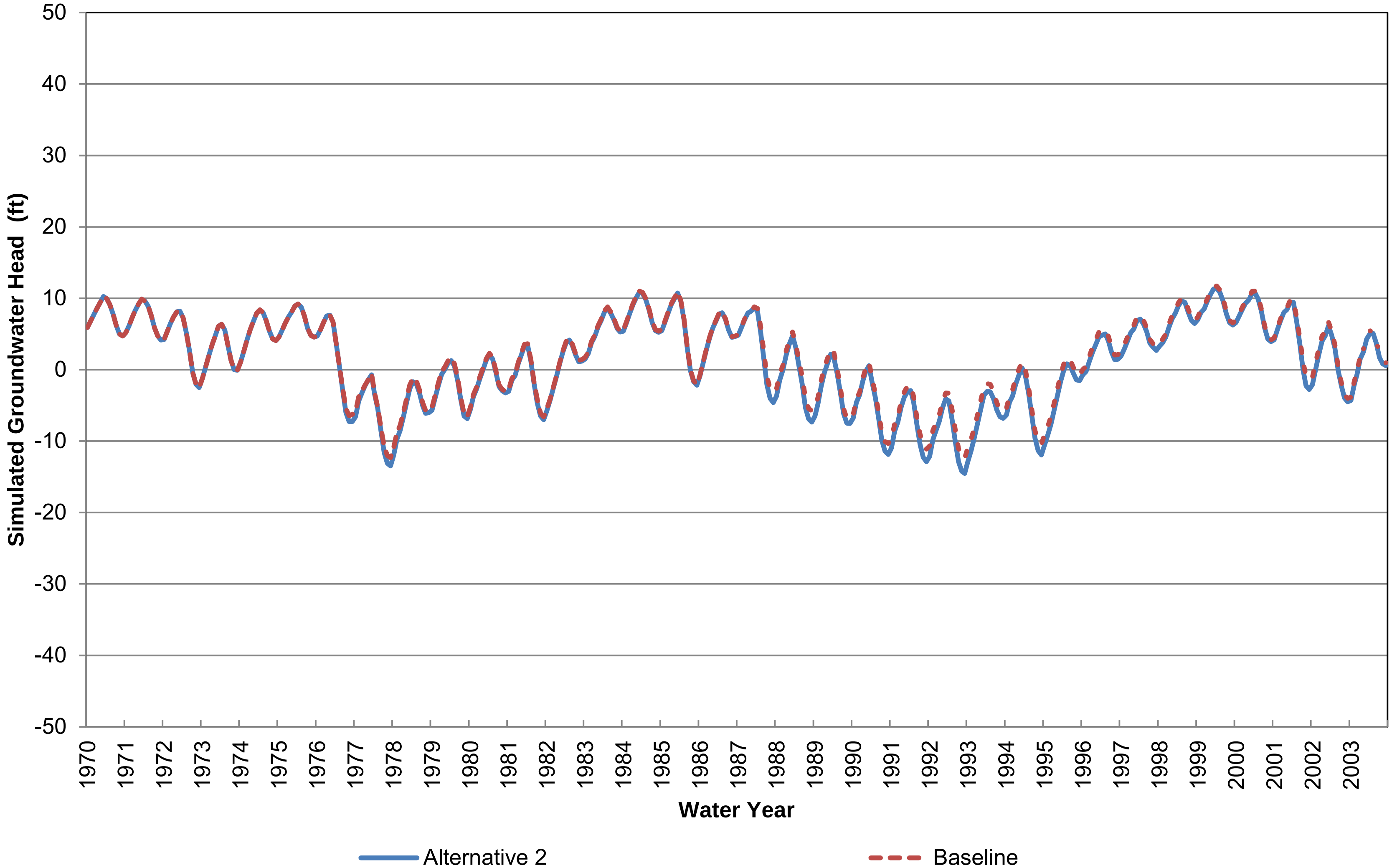
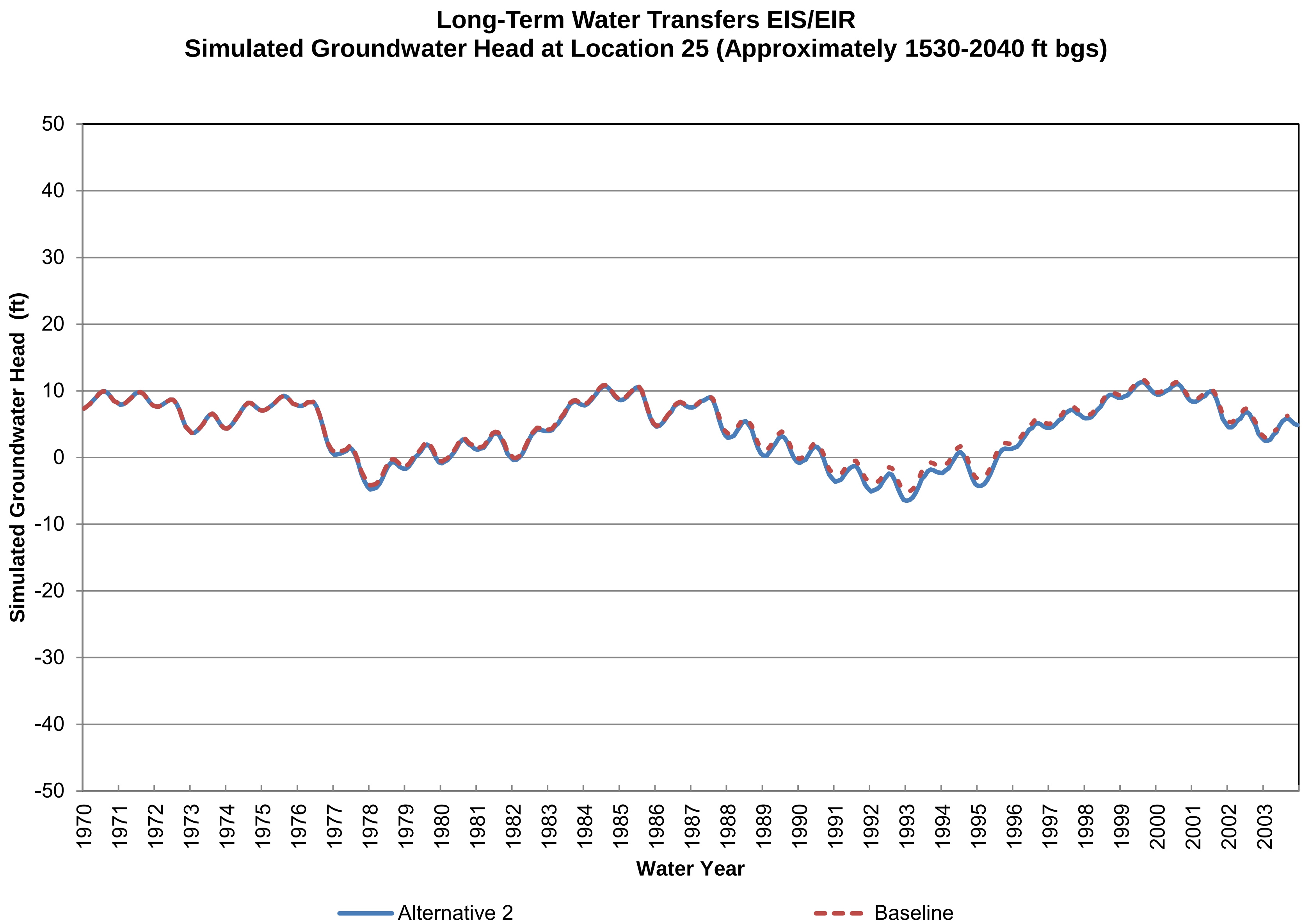
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 25 (Approximately 990-1530 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 25 (Approximately 1530-2040 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
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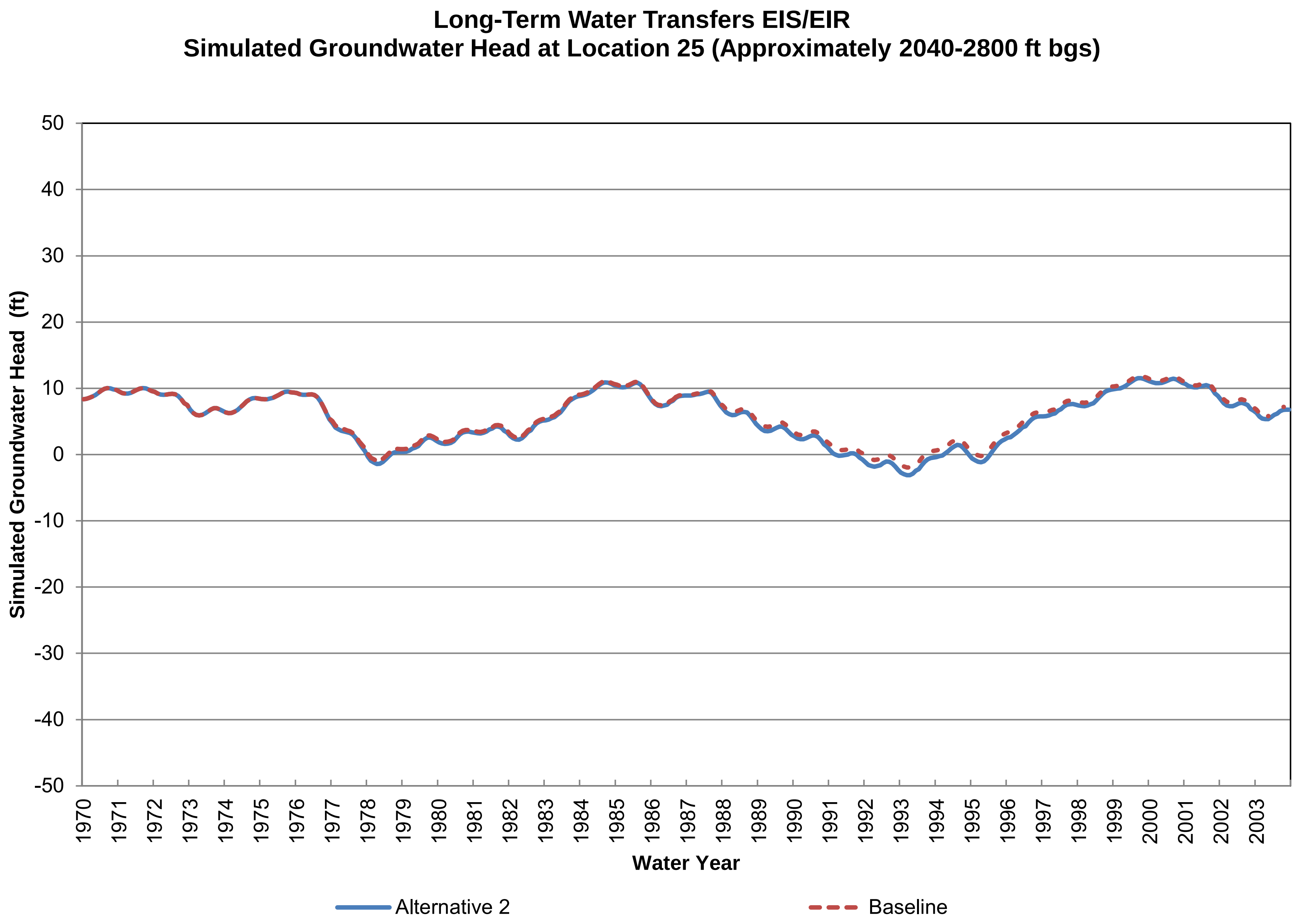
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 25 (Approximately 2040-2800 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
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10
0
-10
-20
-30
-40
-50
1970
1971
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1974
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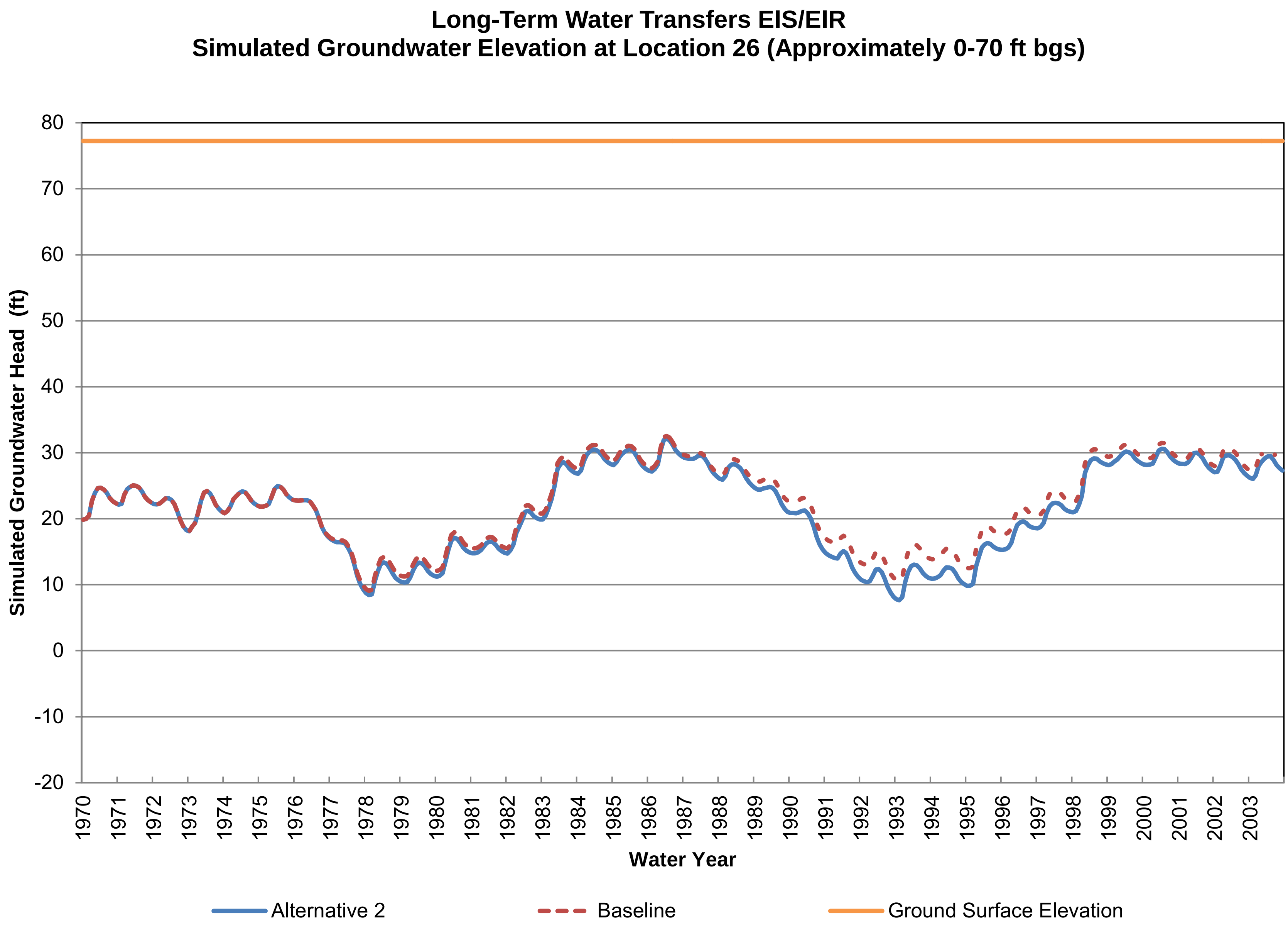
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 26 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
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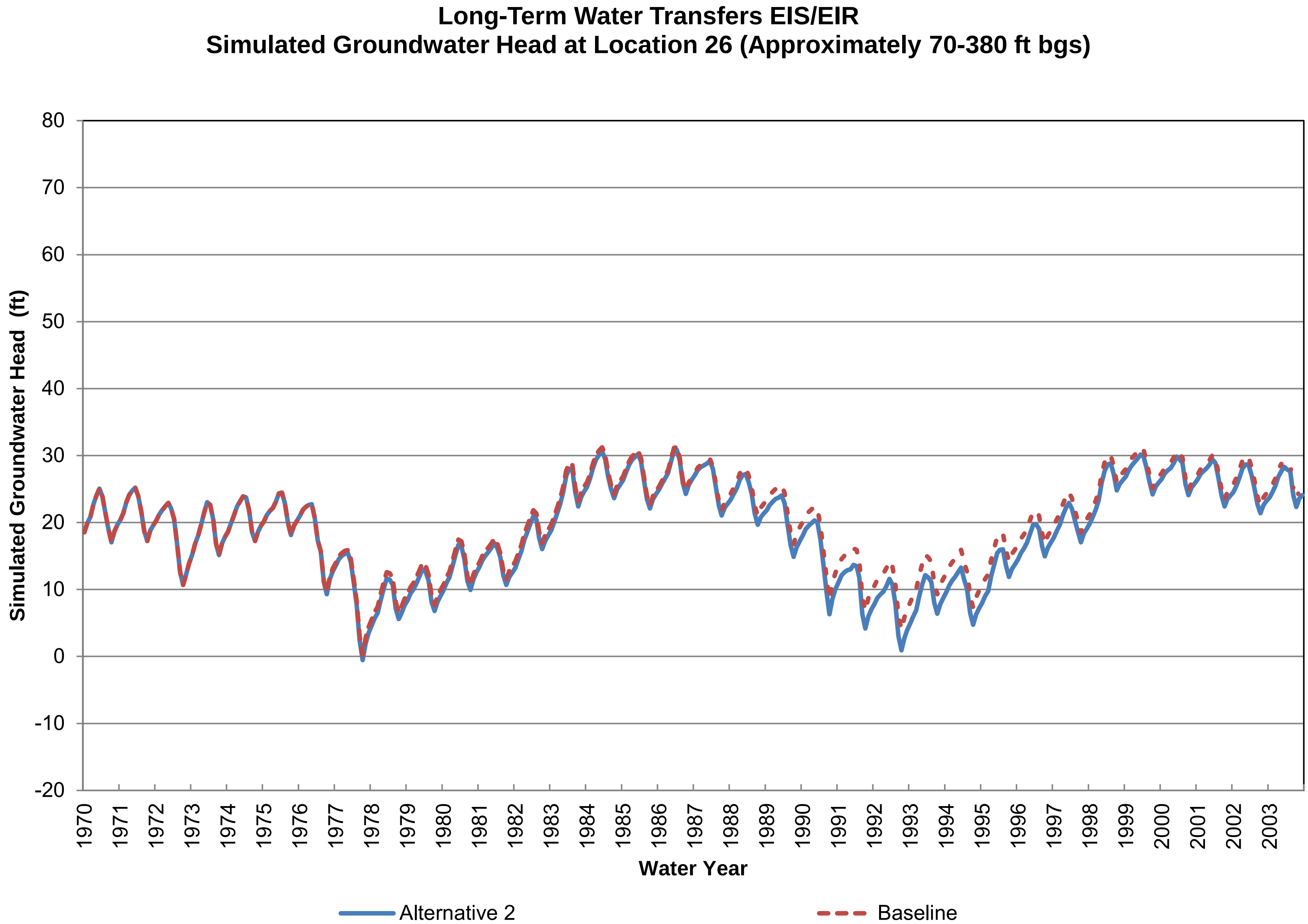
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 26 (Approximately 70-380 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
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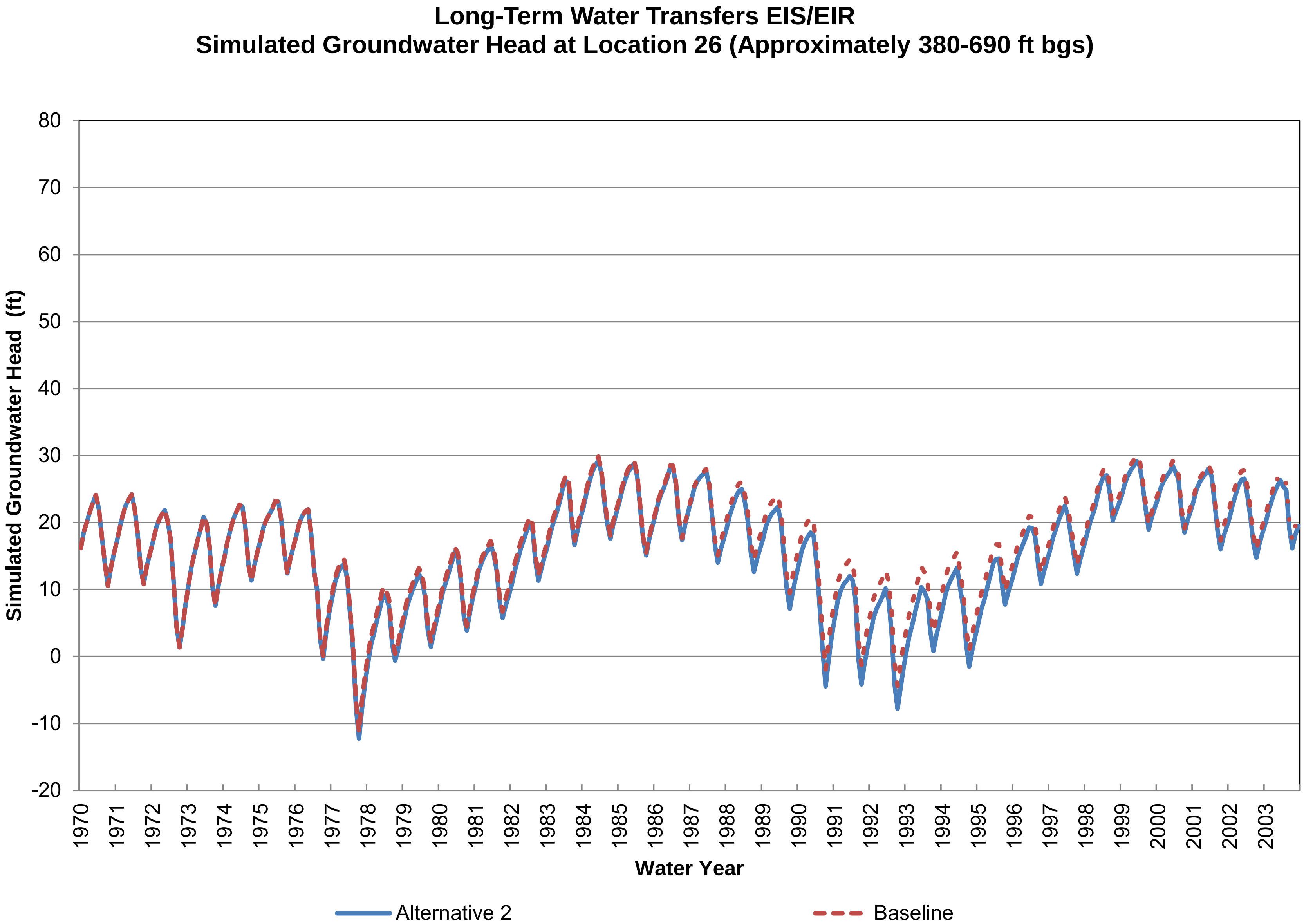
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 26 (Approximately 380-690 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
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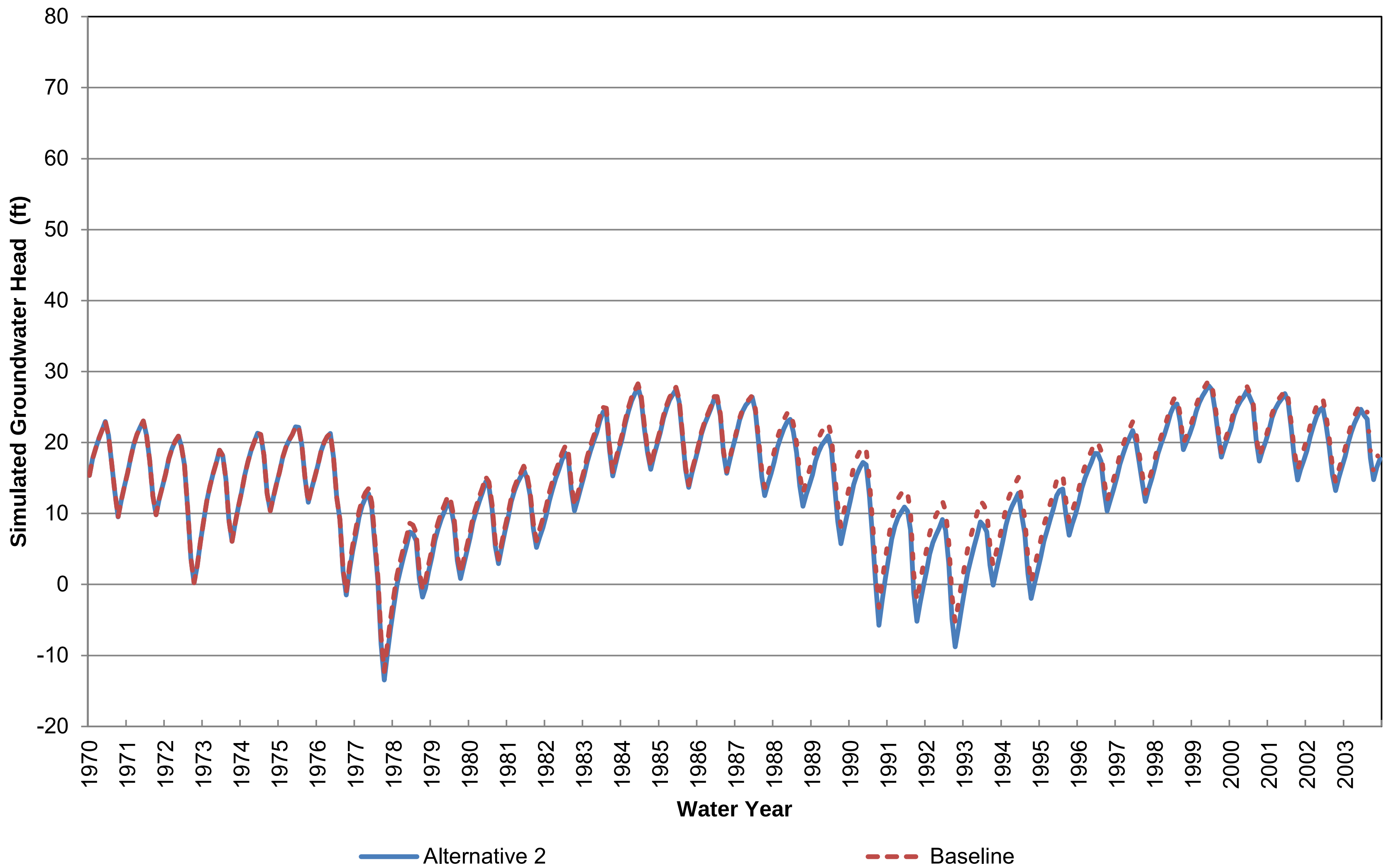
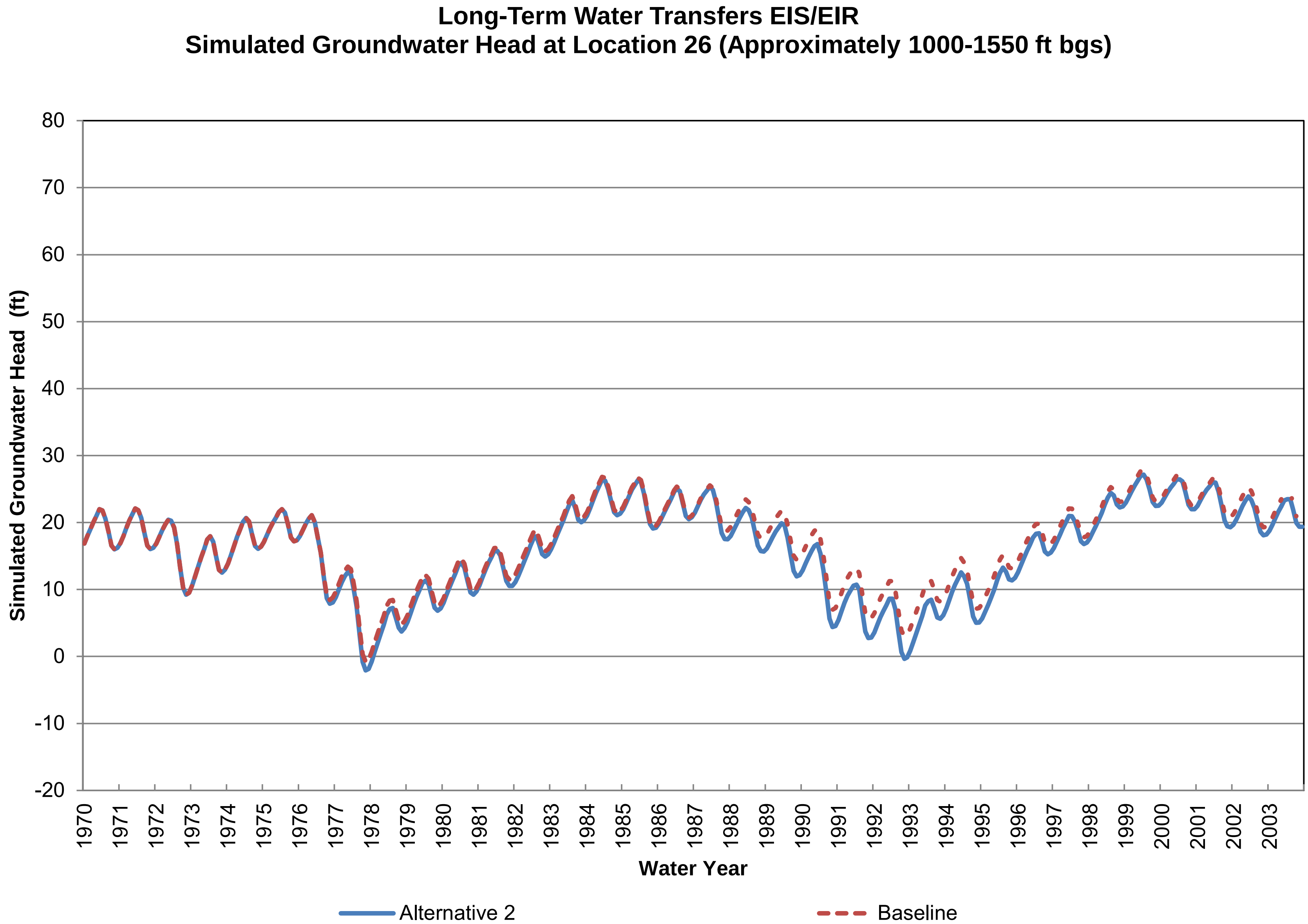
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 26 (Approximately 690-1000 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 26 (Approximately 1000-1550 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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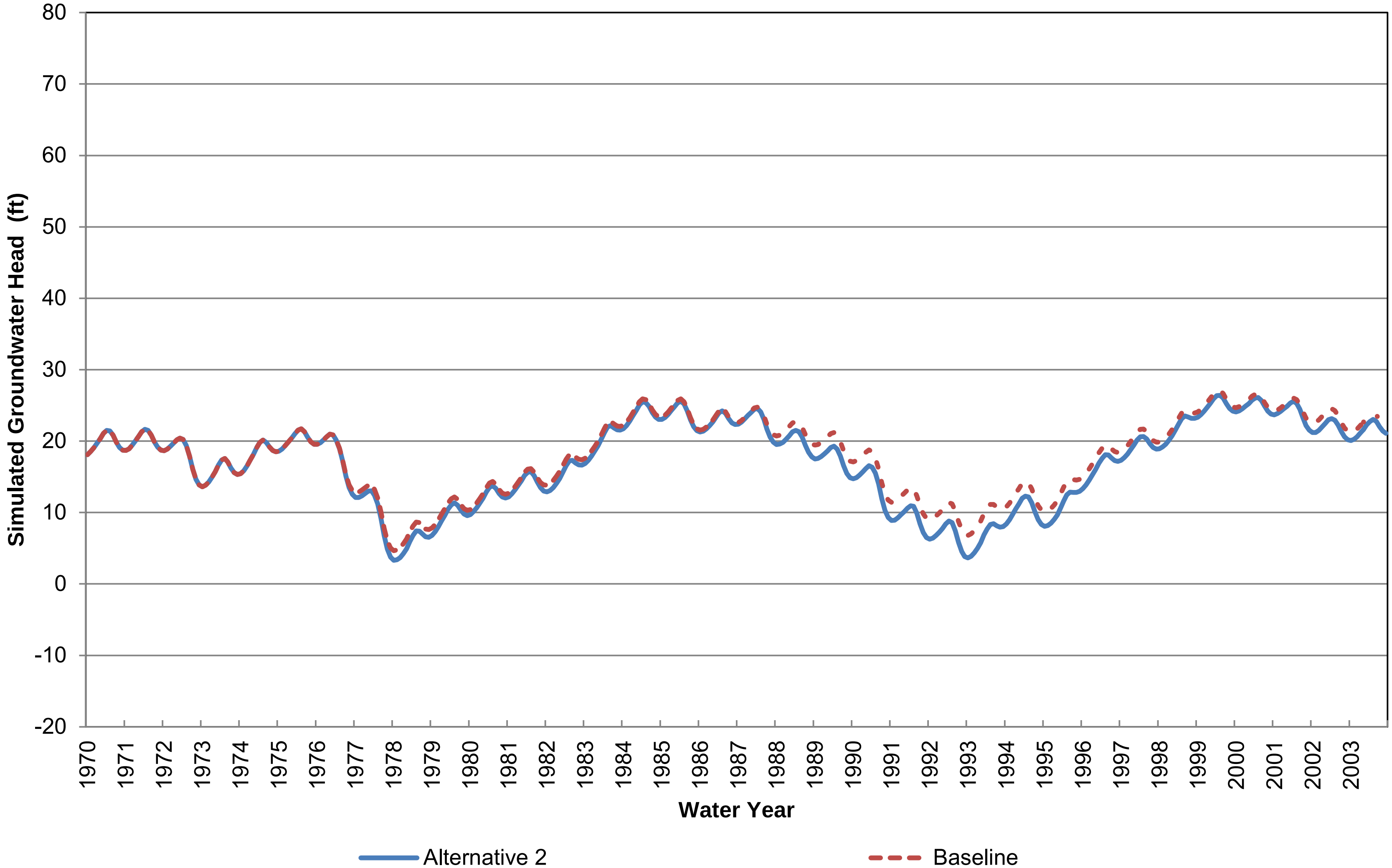
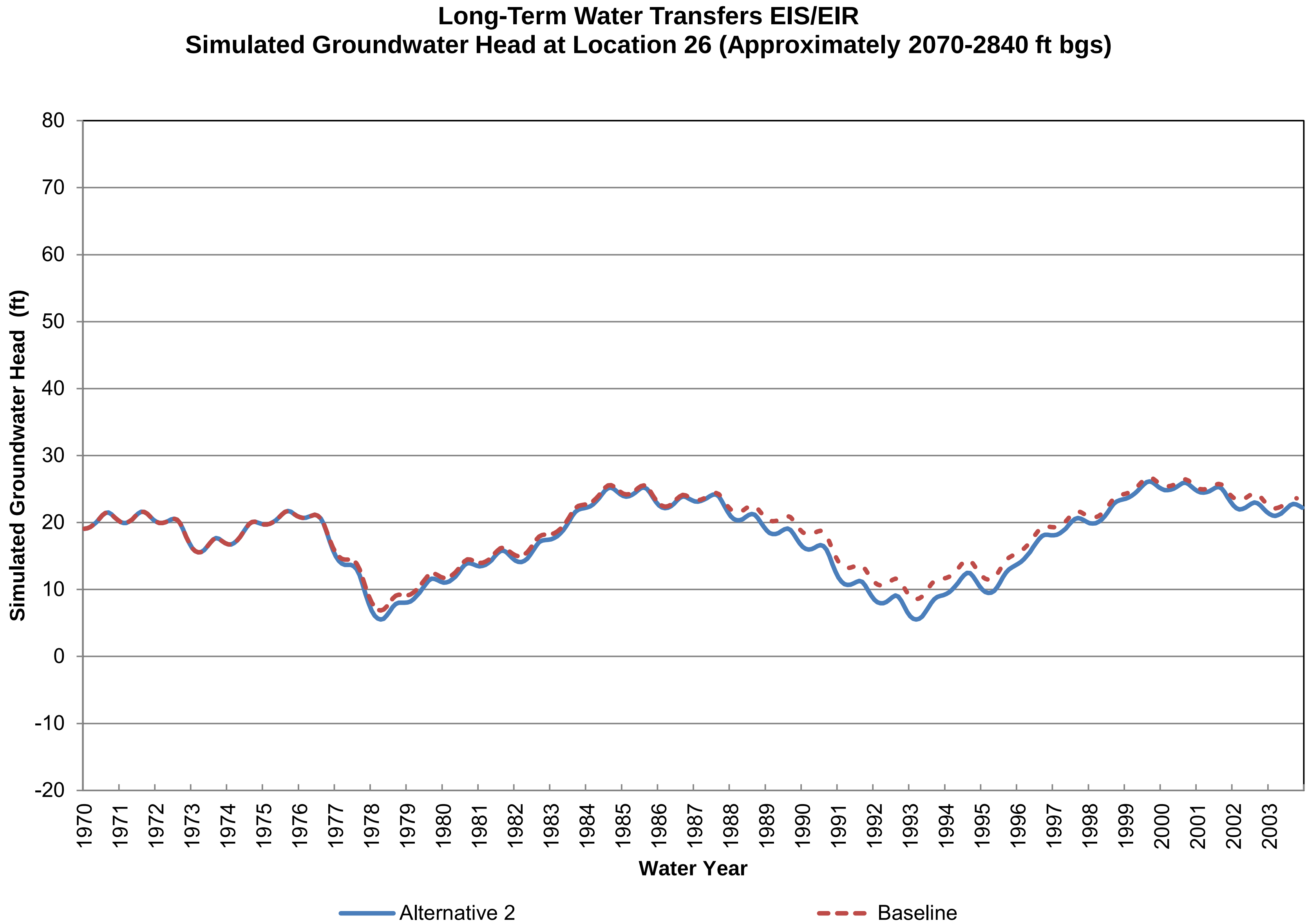
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 26 (Approximately 1550-2070 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 26 (Approximately 2070-2840 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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1982
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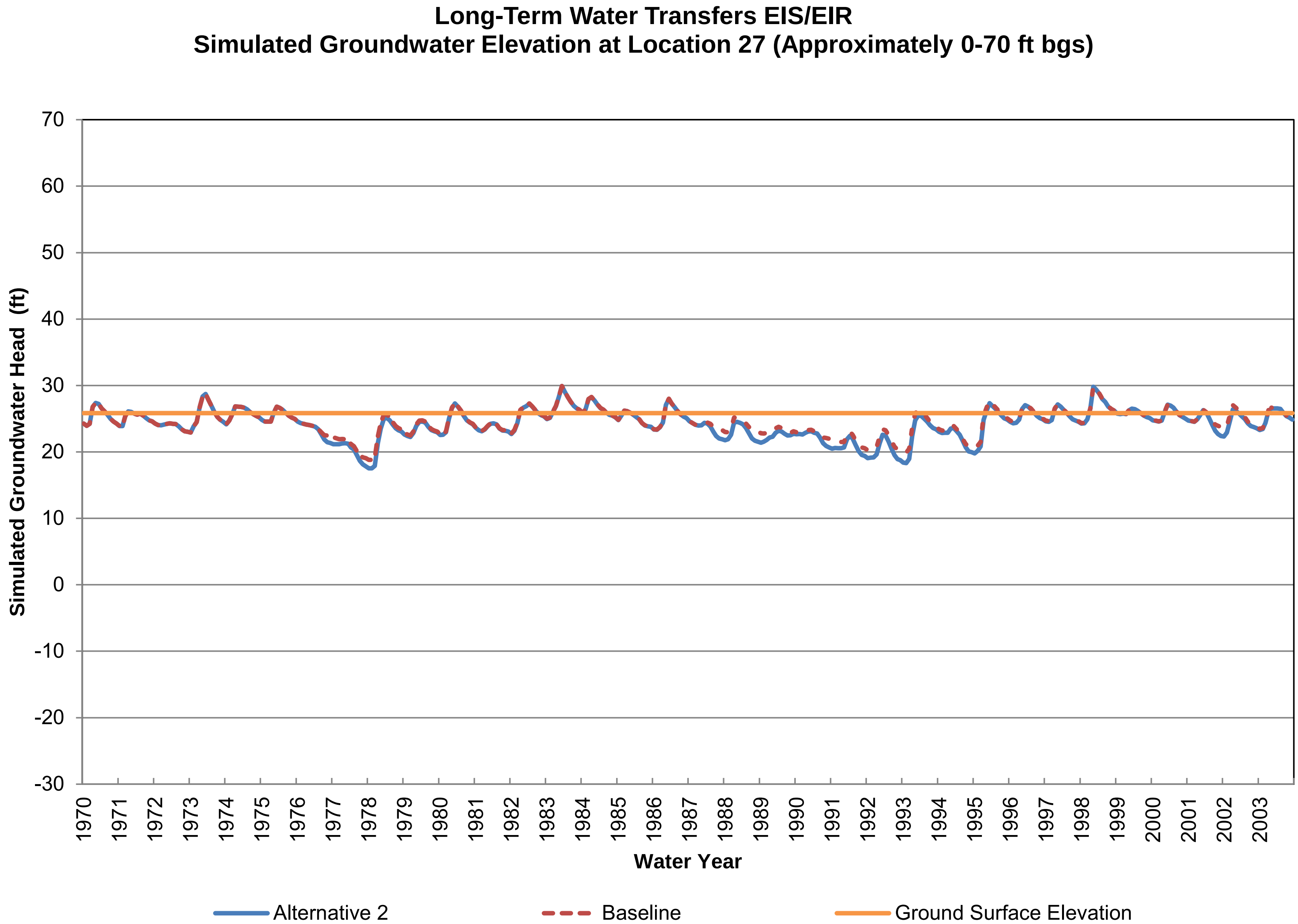
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 27 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
70
60
50
40
30
20
10
0
-10
-20
-30
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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2000
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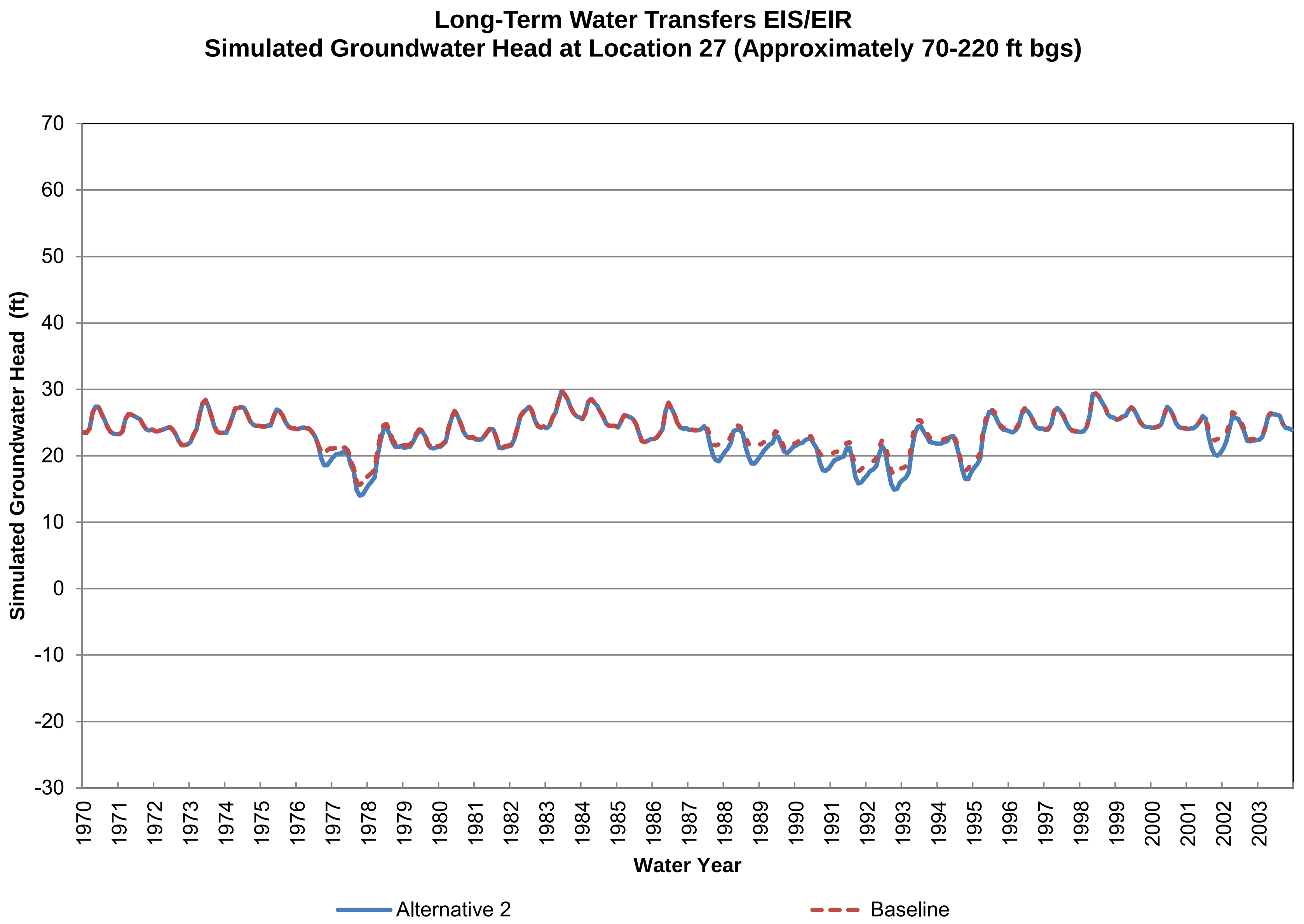
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 27 (Approximately 70-220 ft bgs)
Simulated Groundwater Head (ft)
70
60
50
40
30
20
10
0
-10
-20
-30
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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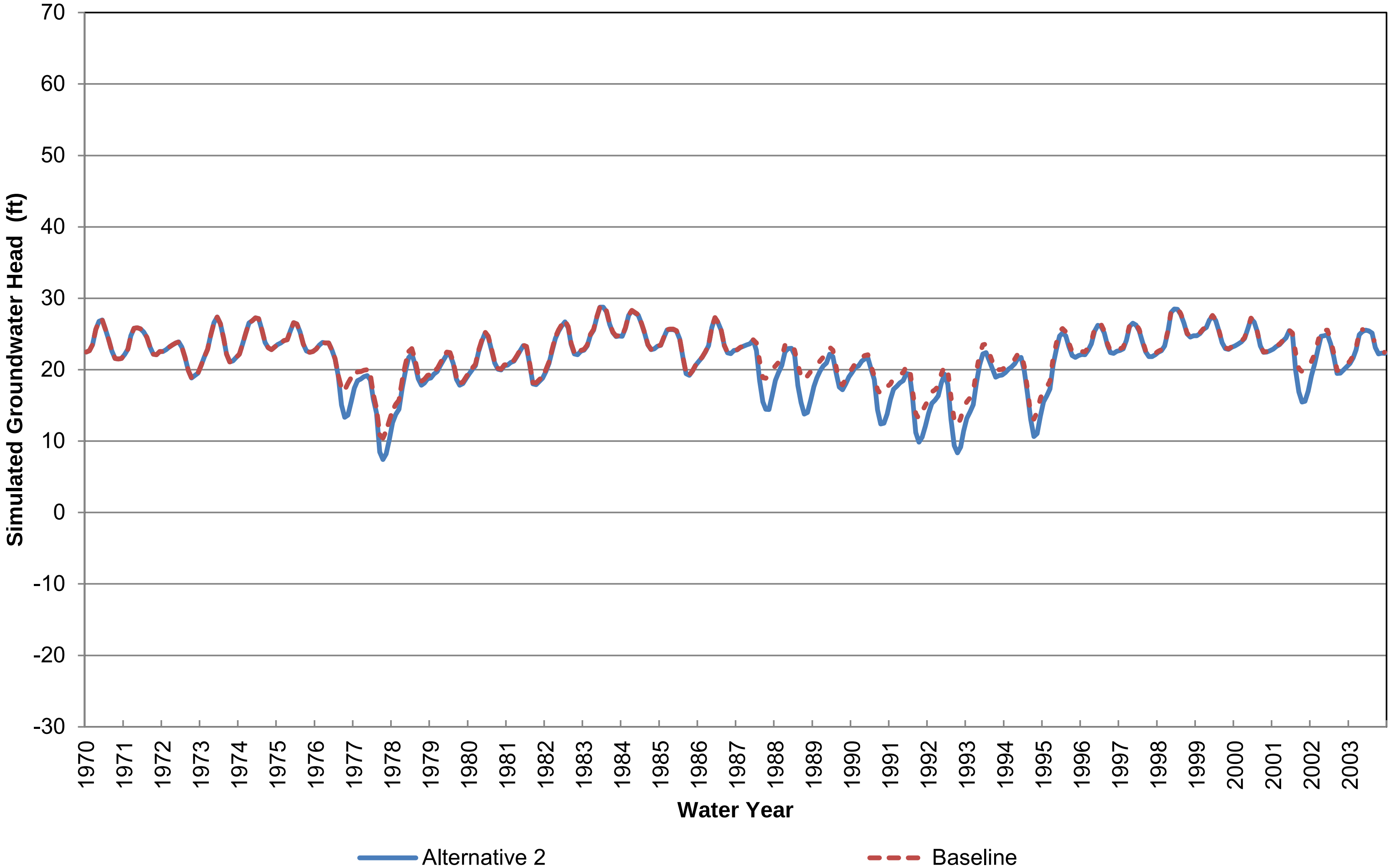
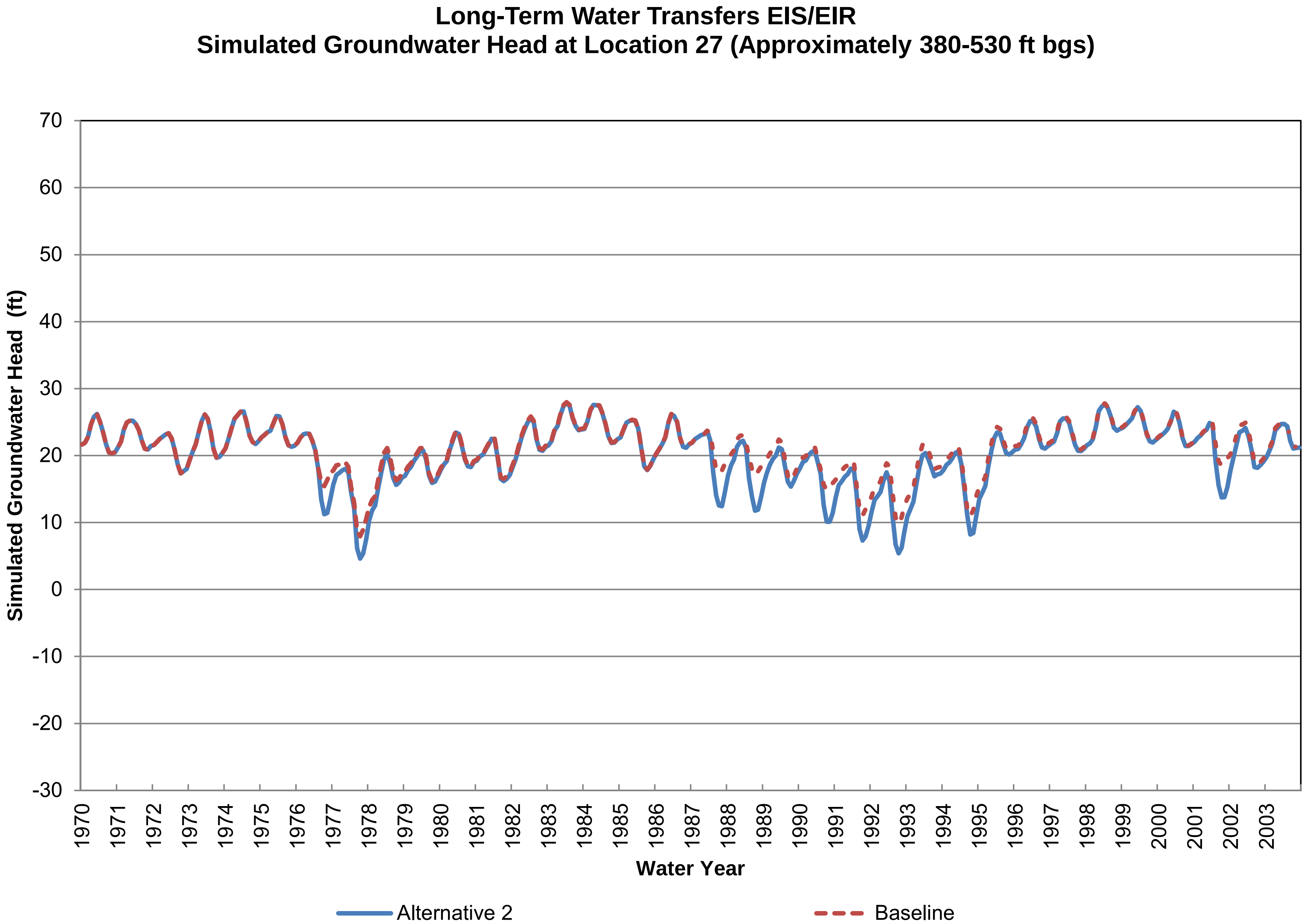
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 27 (Approximately 220-380 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 27 (Approximately 380-530 ft bgs)
70
60
50
40
30
20
10
0
-10
-20
-30
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
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1992
1993
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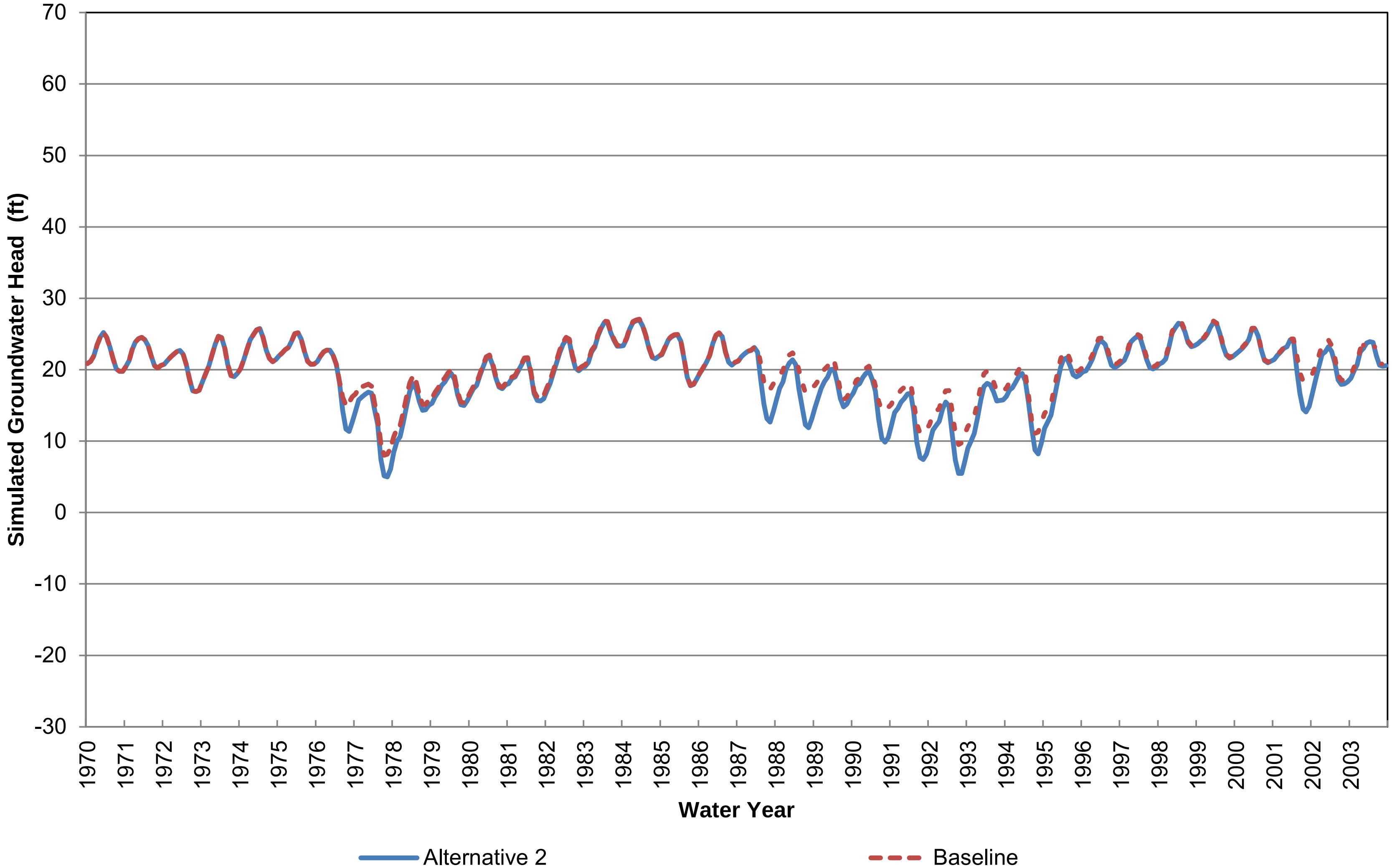
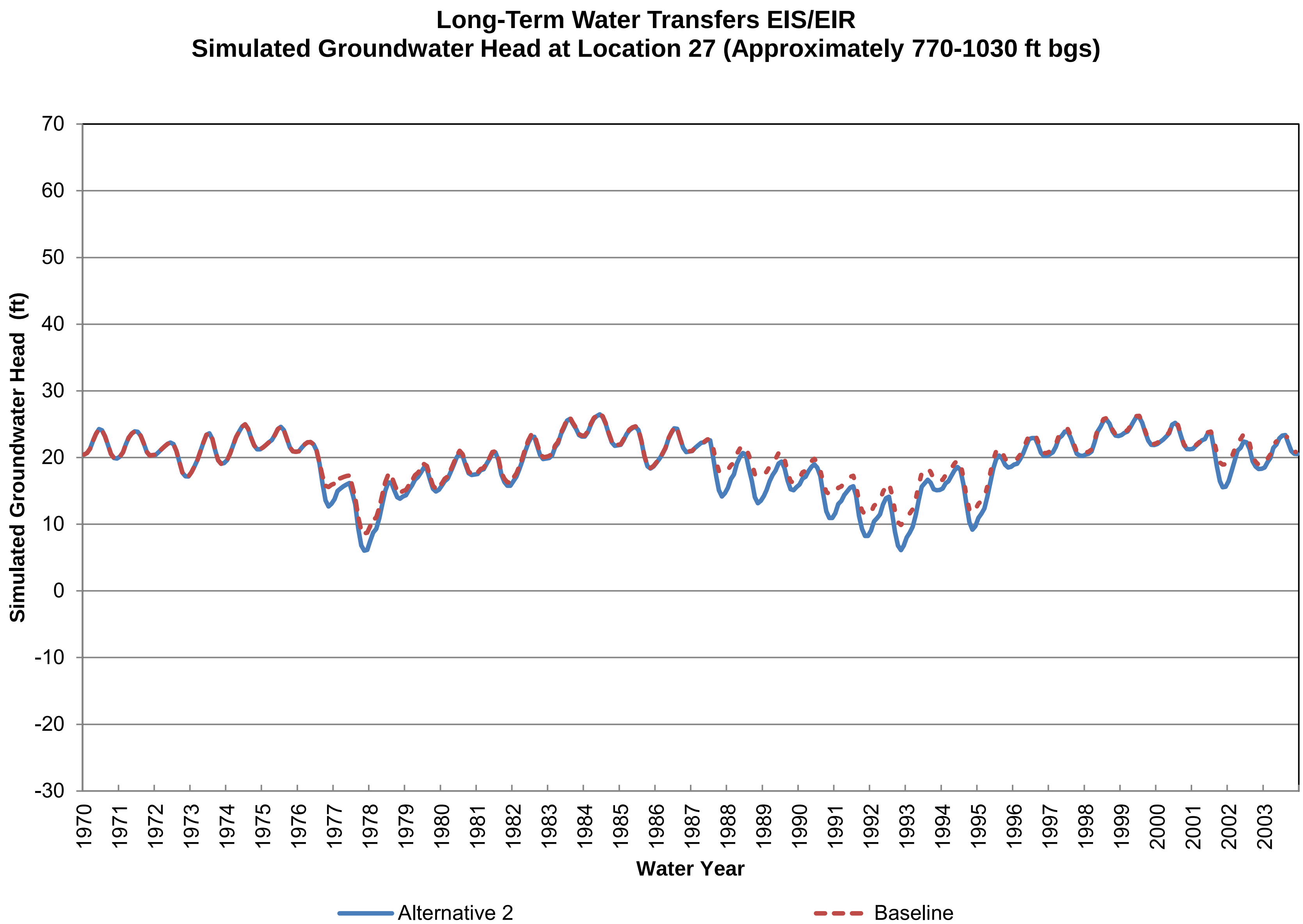
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 27 (Approximately 530-770 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 27 (Approximately 770-1030 ft bgs)
70
60
50
40
30
20
10
0
-10
-20
-30
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1983
1984
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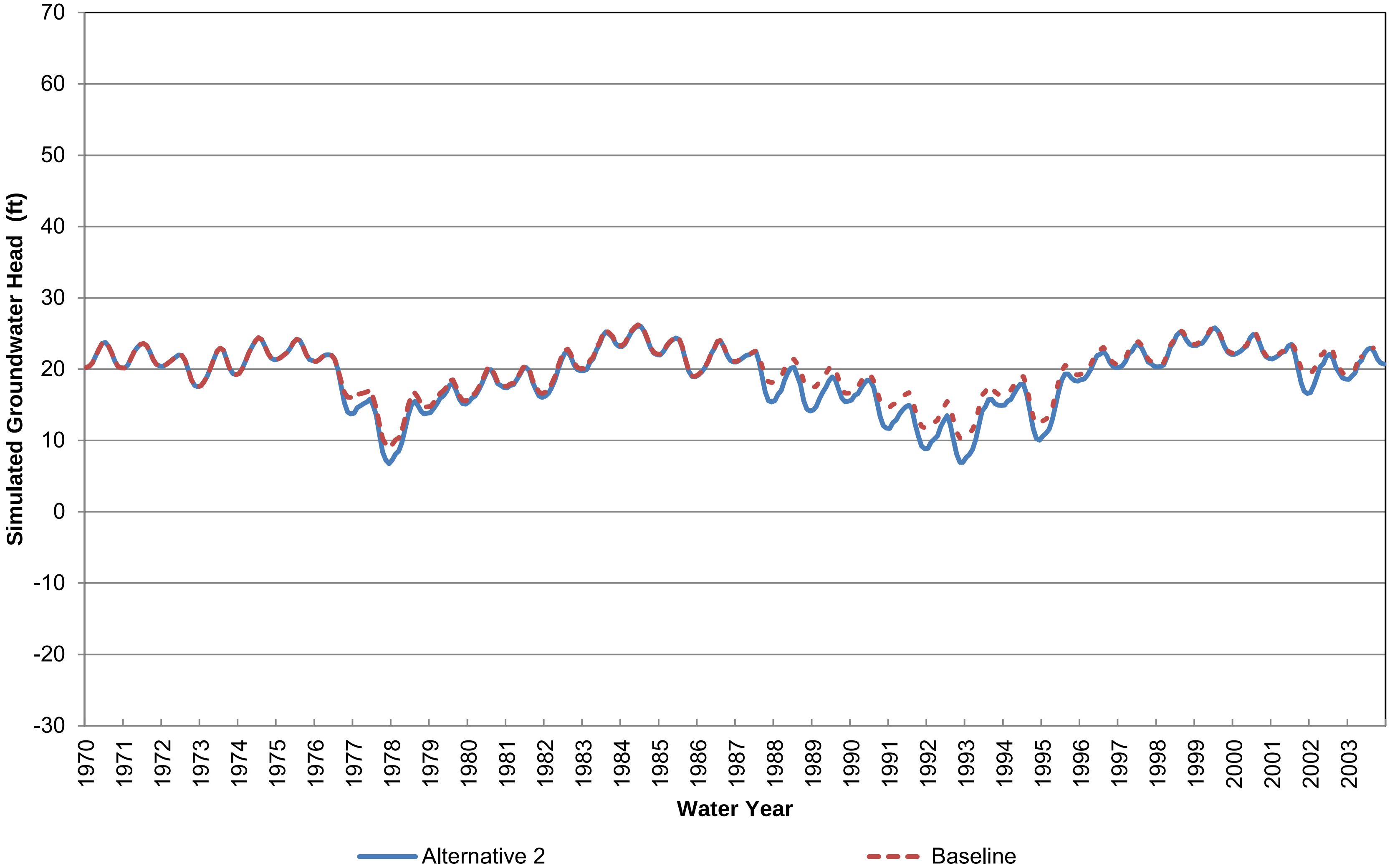
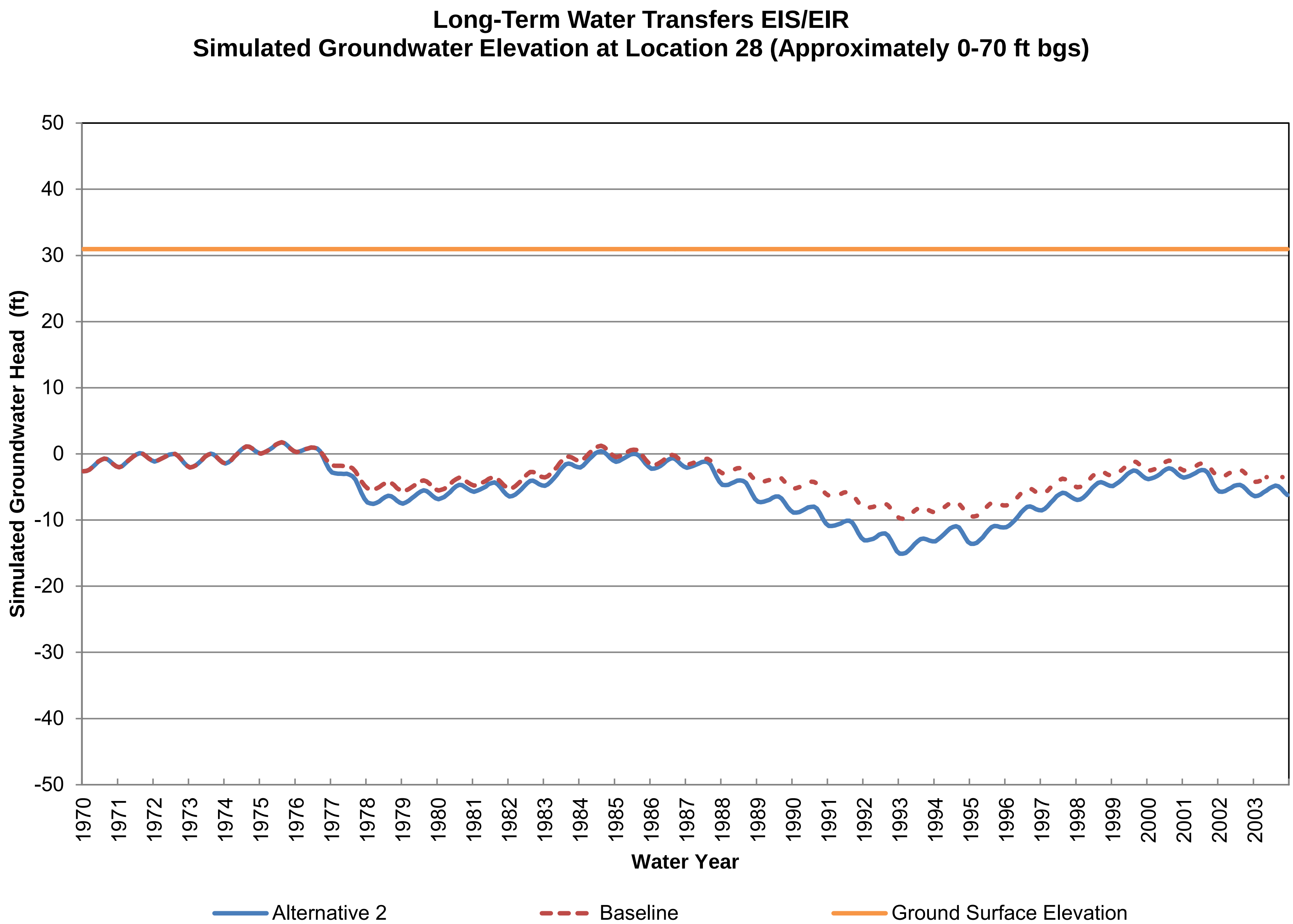
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 27 (Approximately 1030-1410 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 28 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
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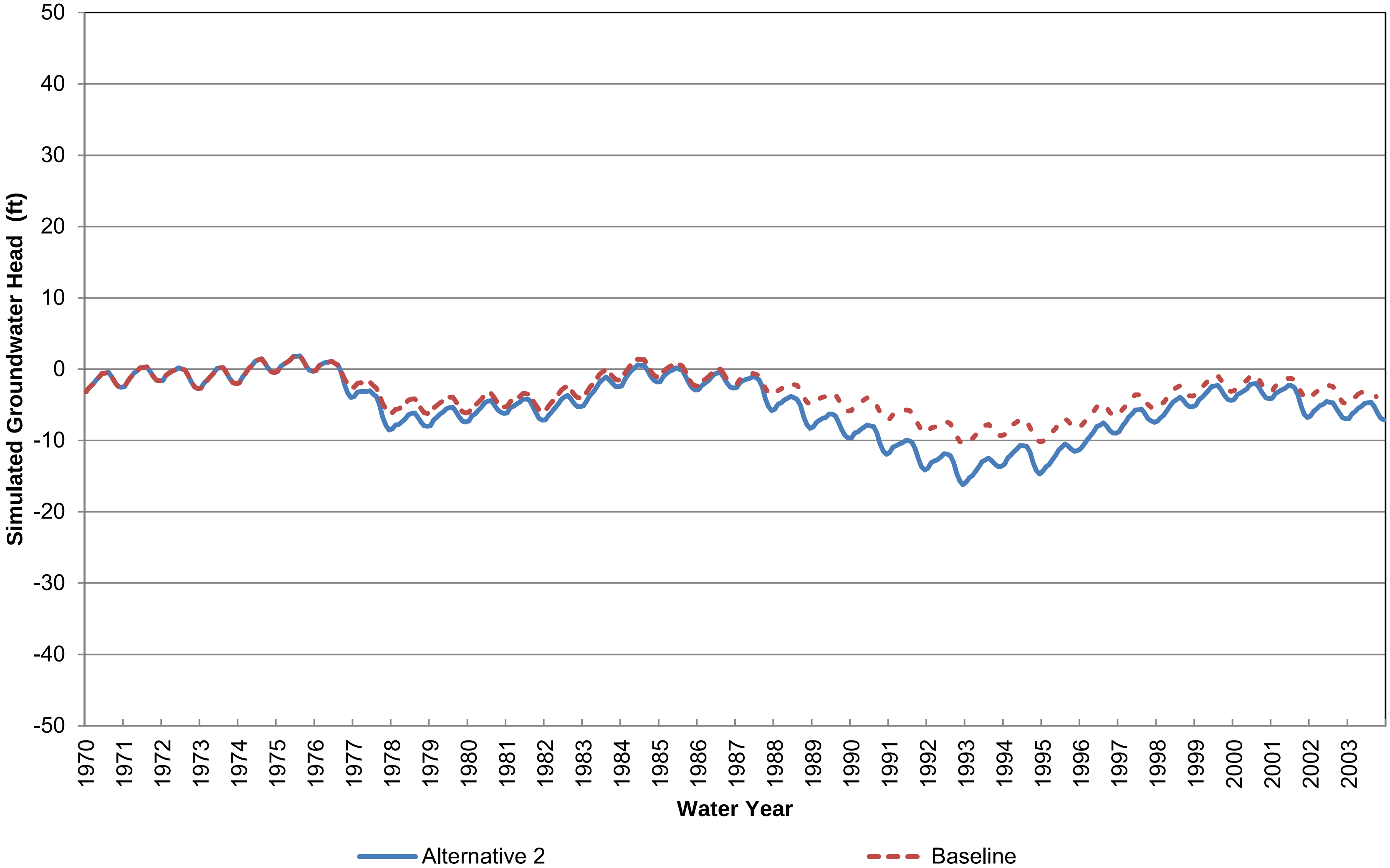
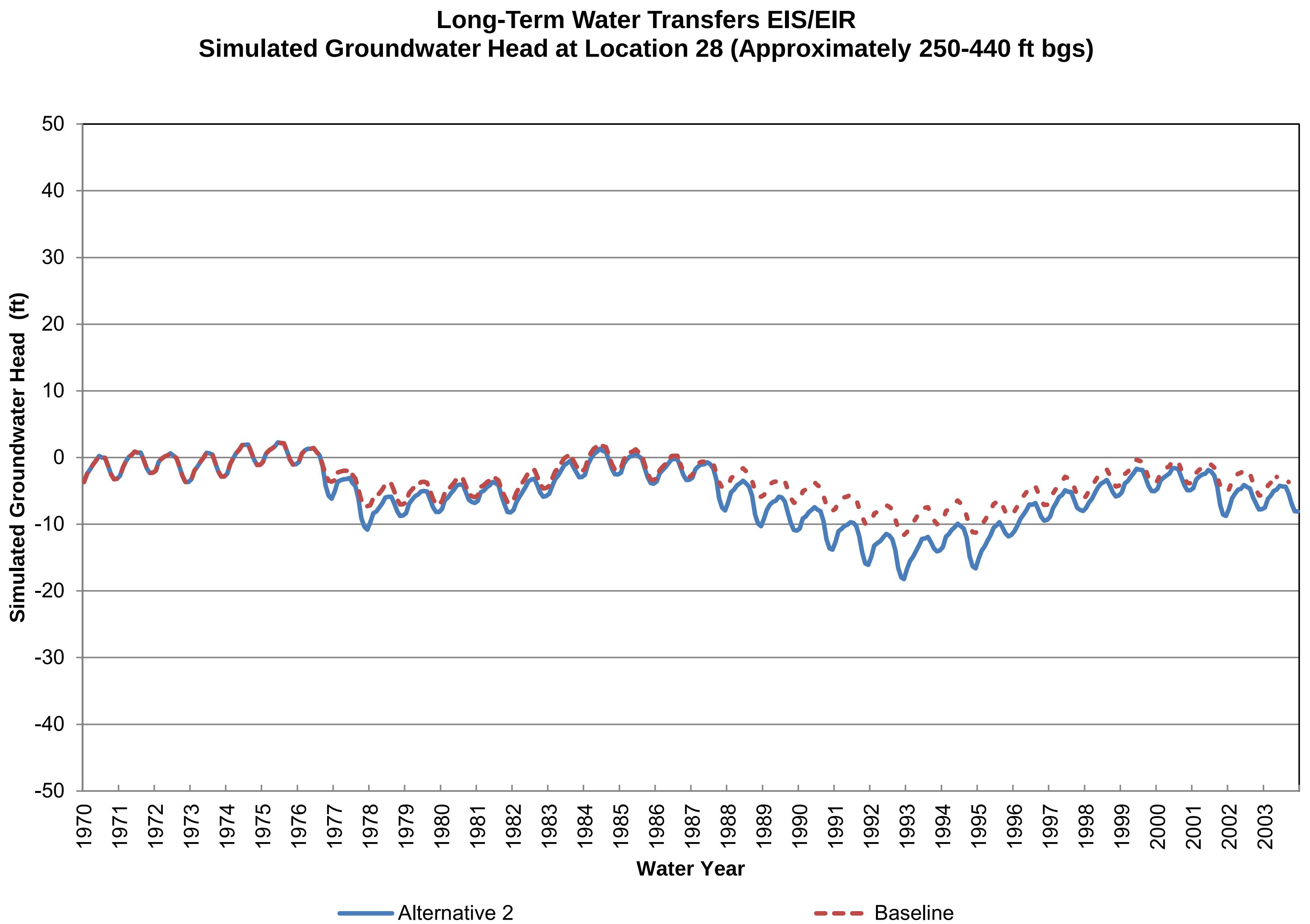
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 28 (Approximately 70-250 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 28 (Approximately 250-440 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
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1977
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1998
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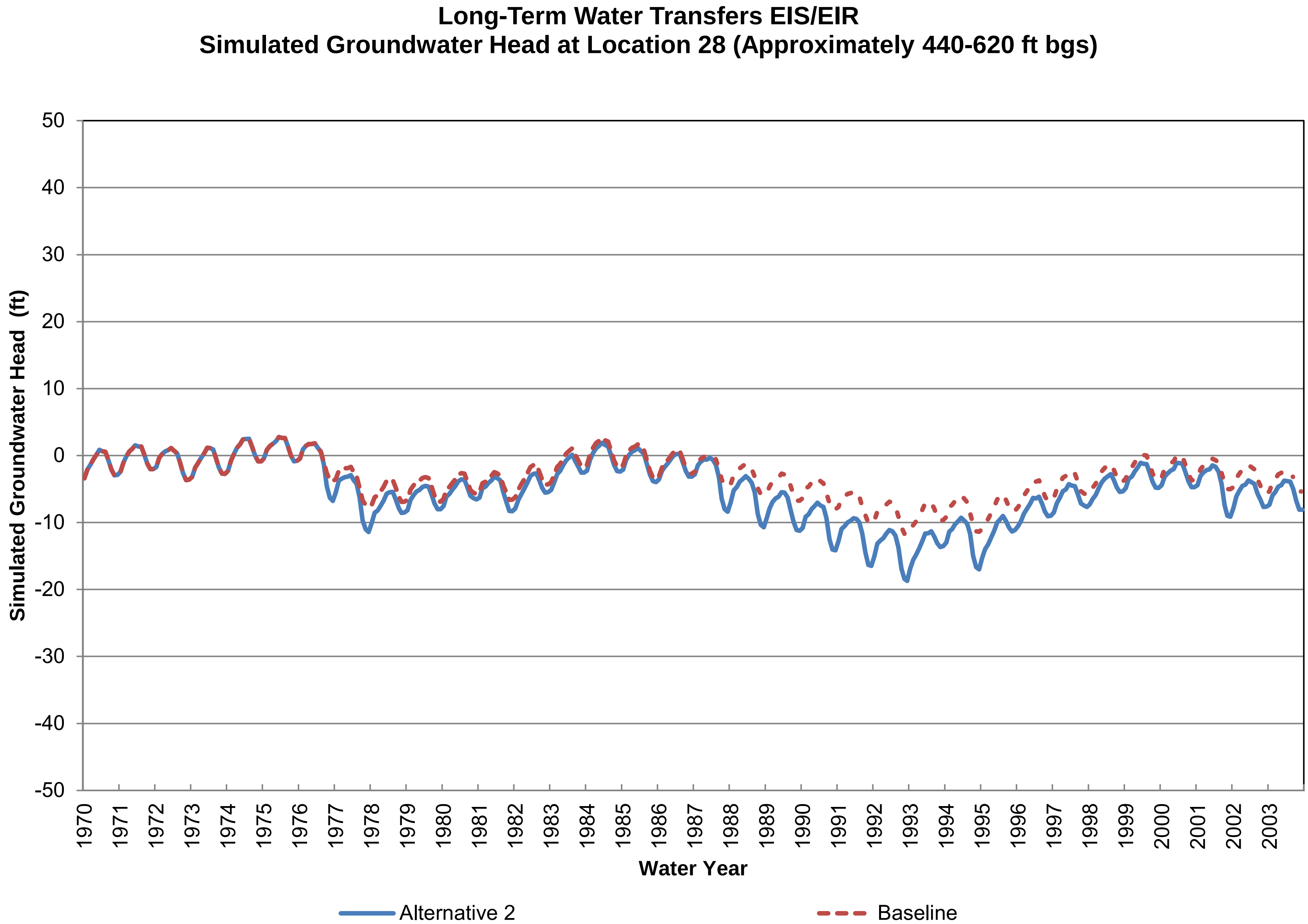
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 28 (Approximately 440-620 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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1982
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1988
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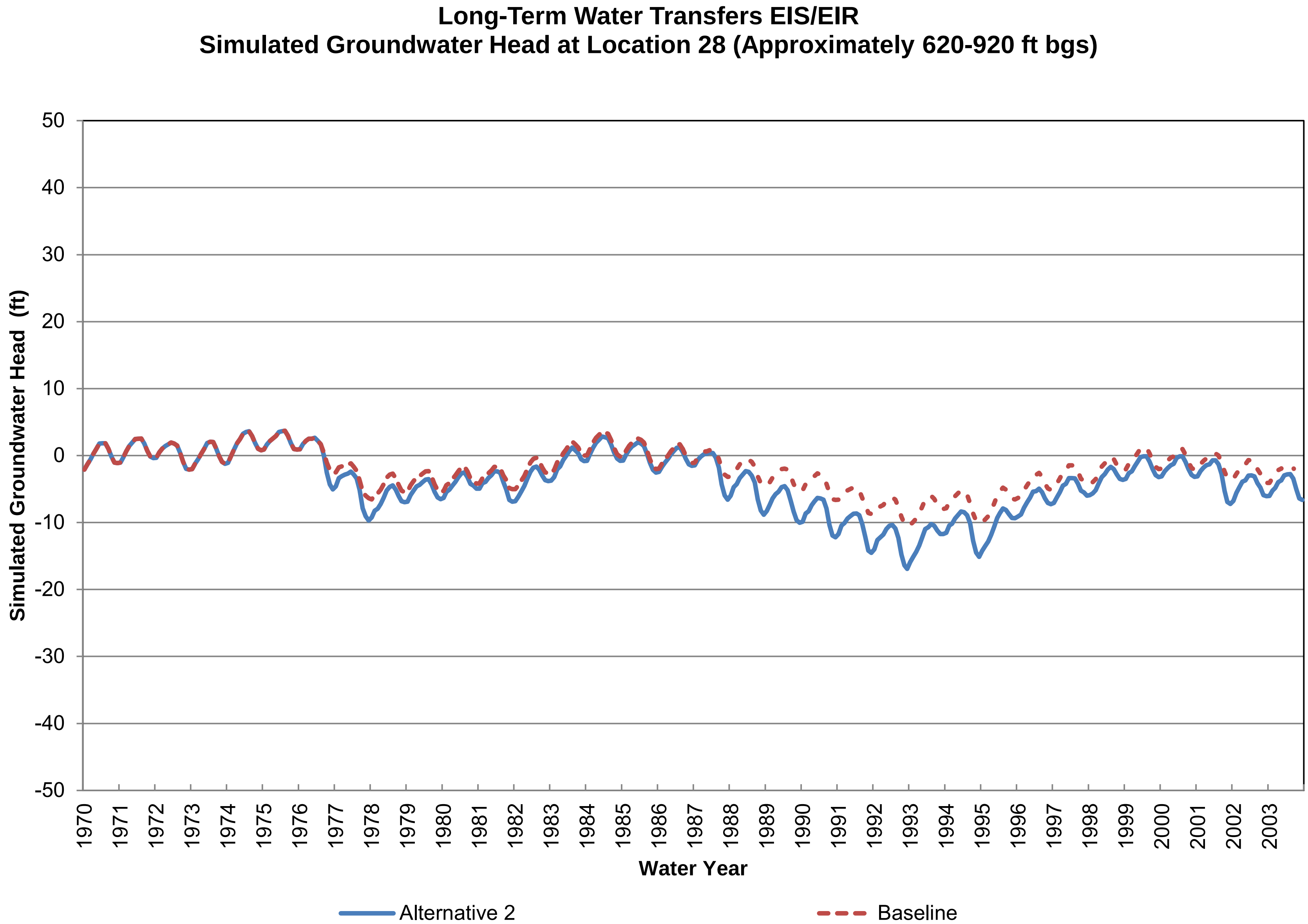
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 28 (Approximately 620-920 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
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1979
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1994
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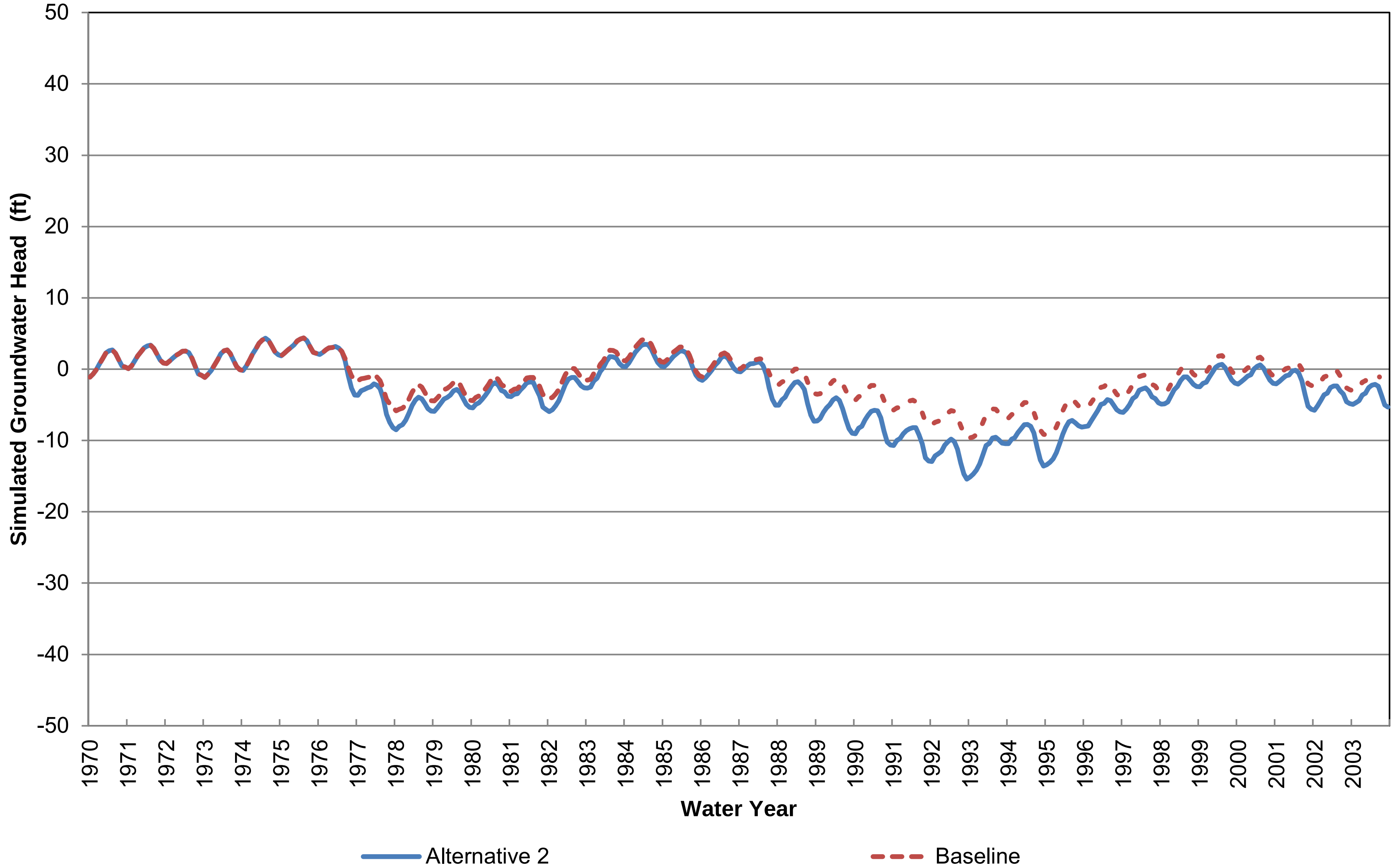
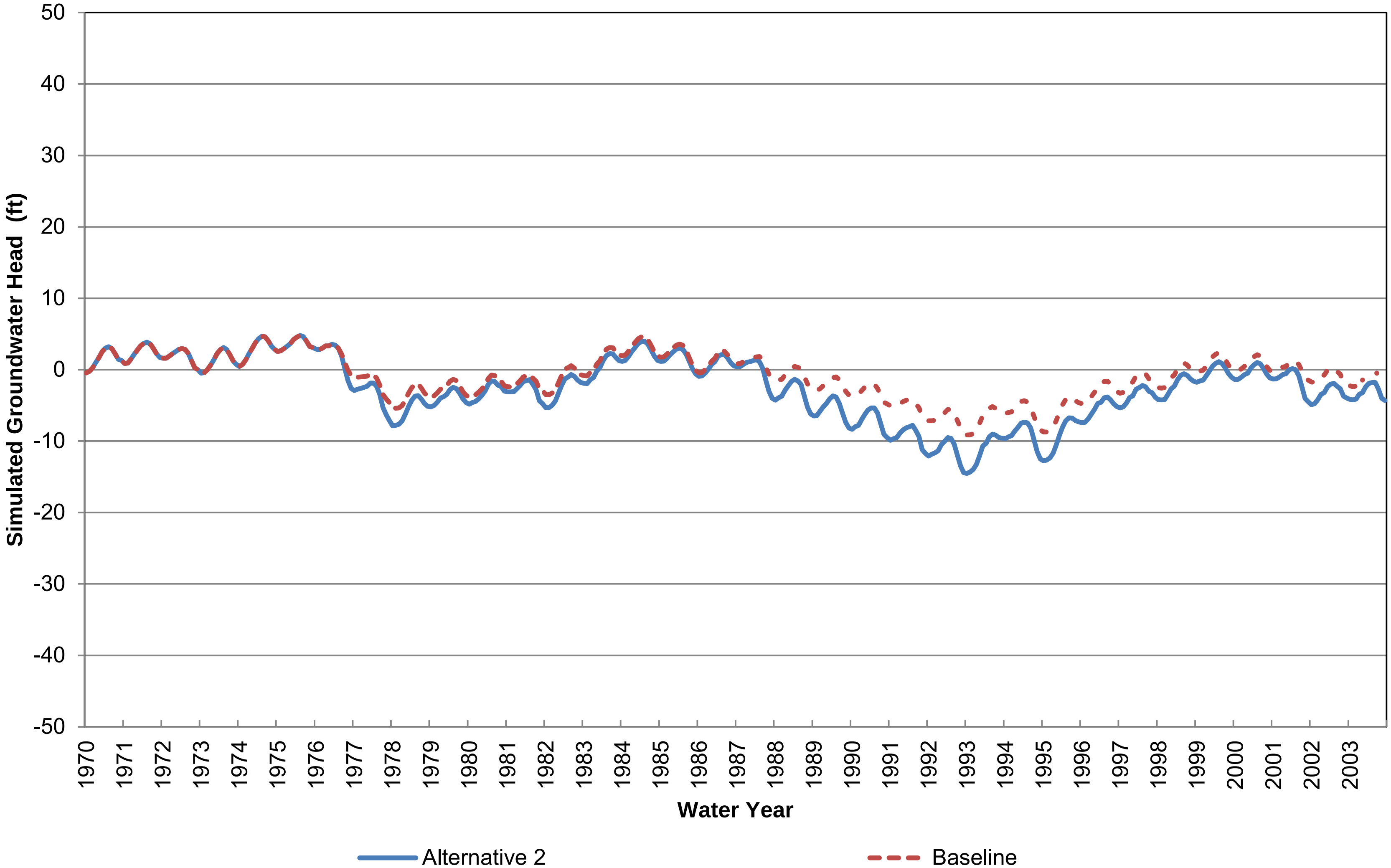
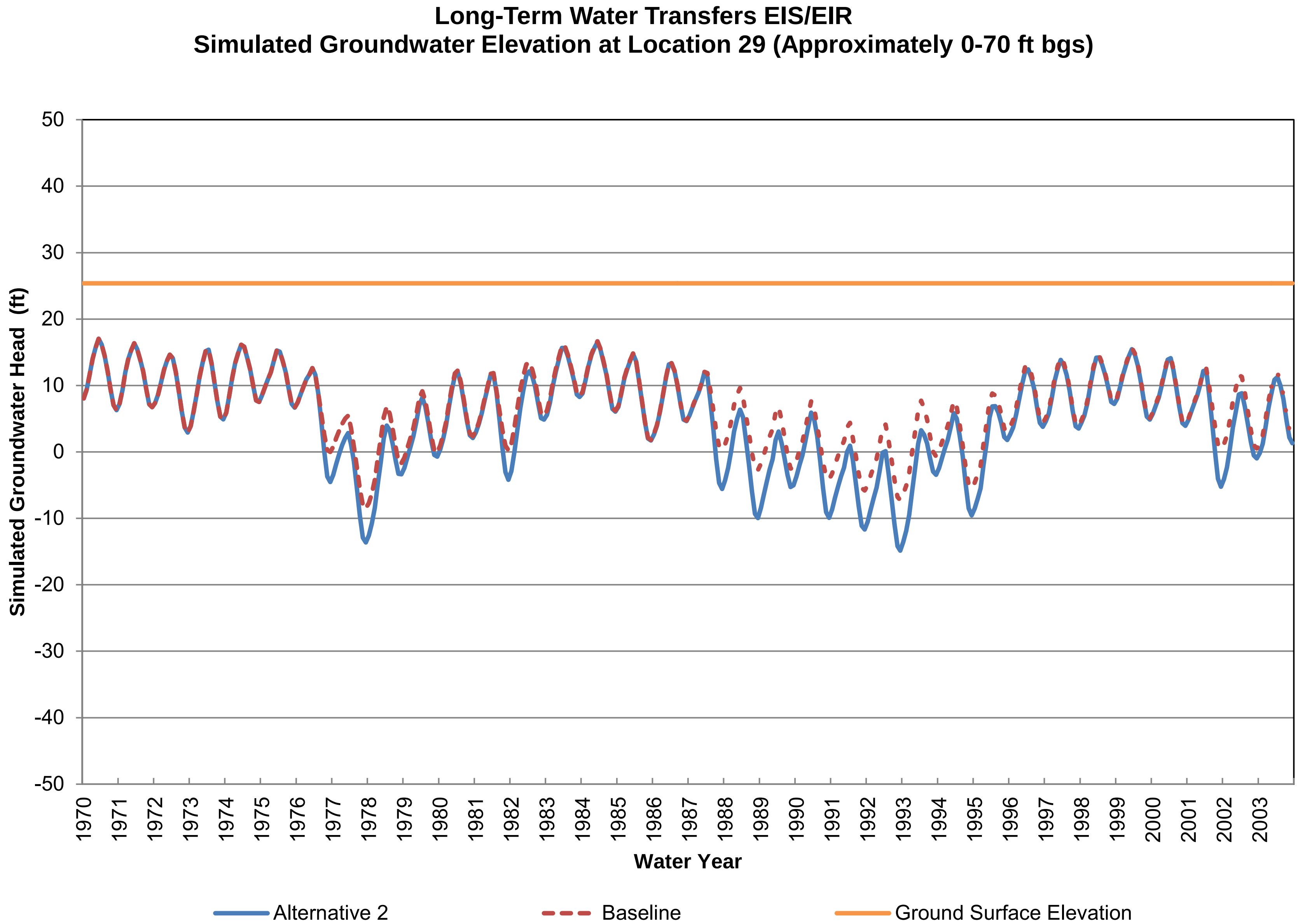
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 28 (Approximately 920-1220 ft bgs)



Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 28 (Approximately 1220-1680 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 29 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
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1988
1989
1990
1991
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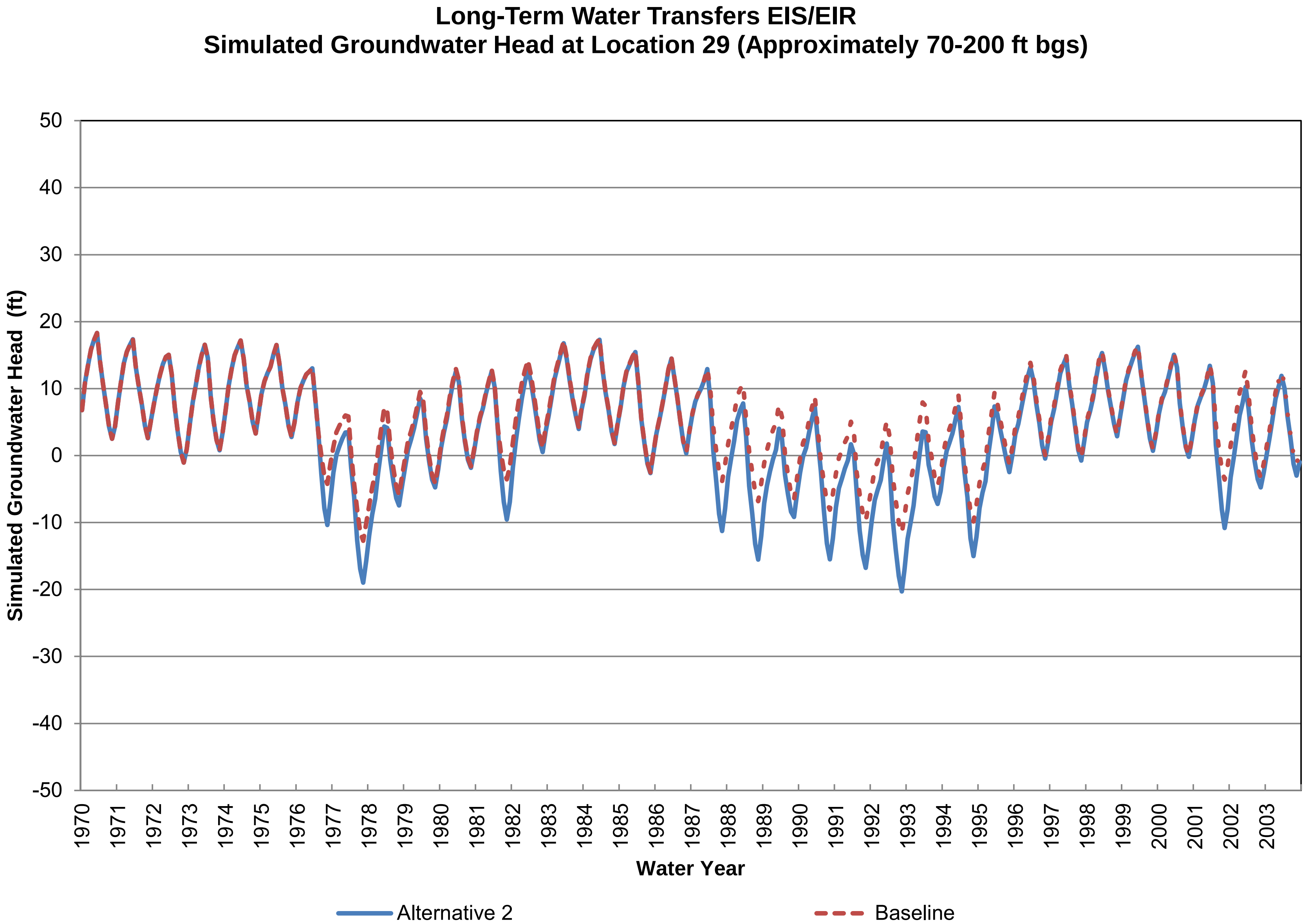
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 29 (Approximately 70-200 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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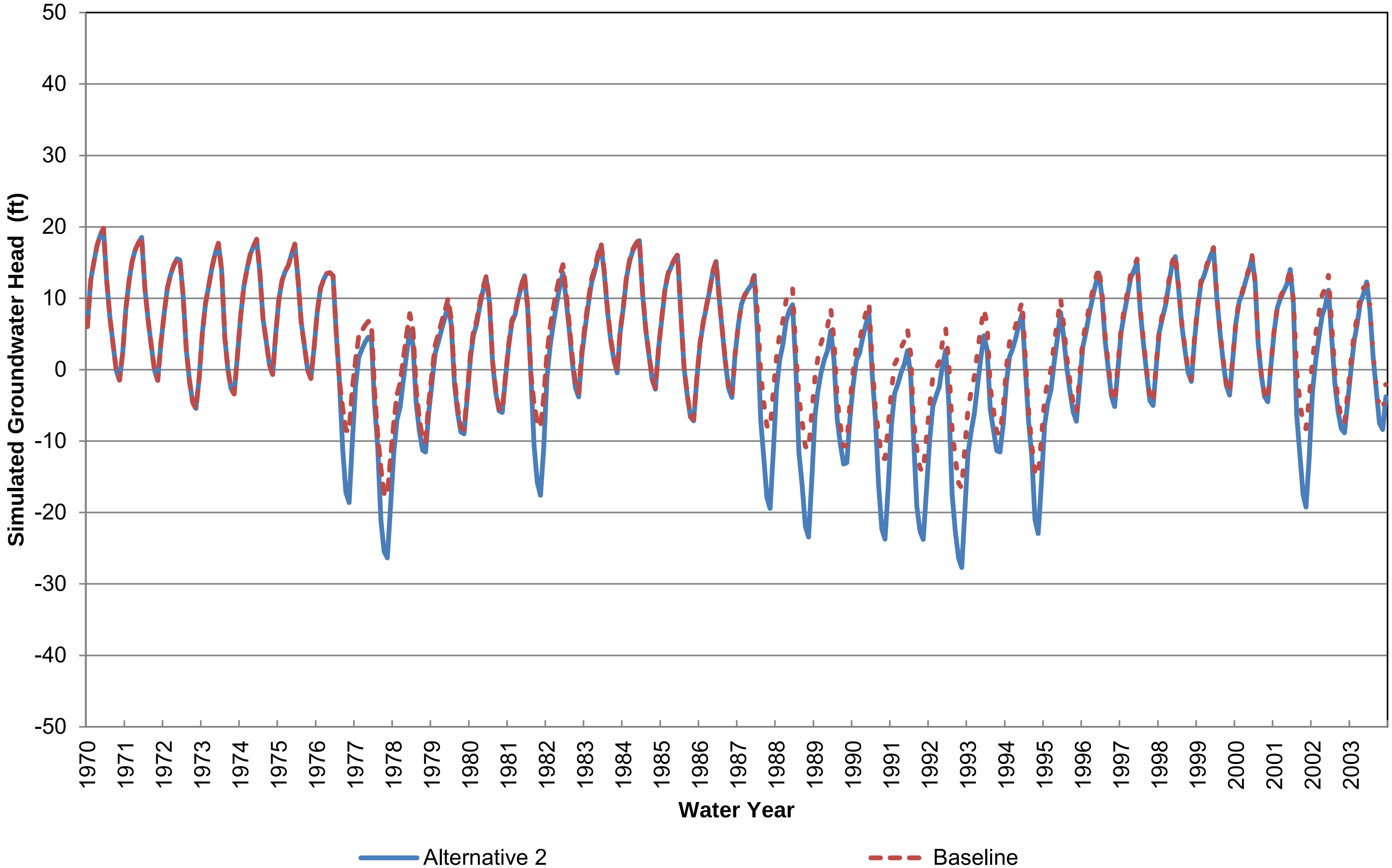
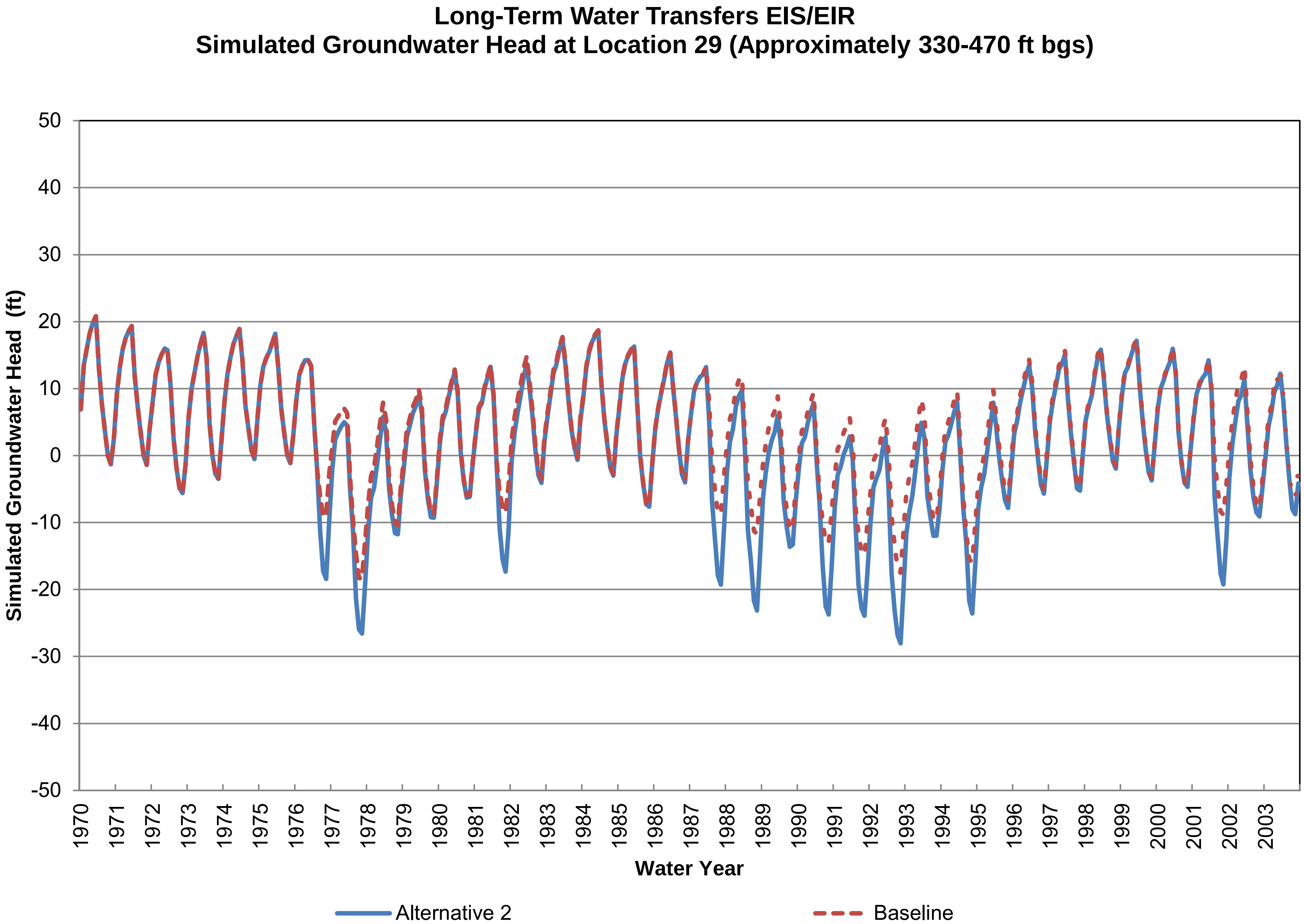
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 29 (Approximately 200-330 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 29 (Approximately 330-470 ft bgs)
50
40
30
20
10
0
-10
-20
-30
-40
-50
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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1986
1987
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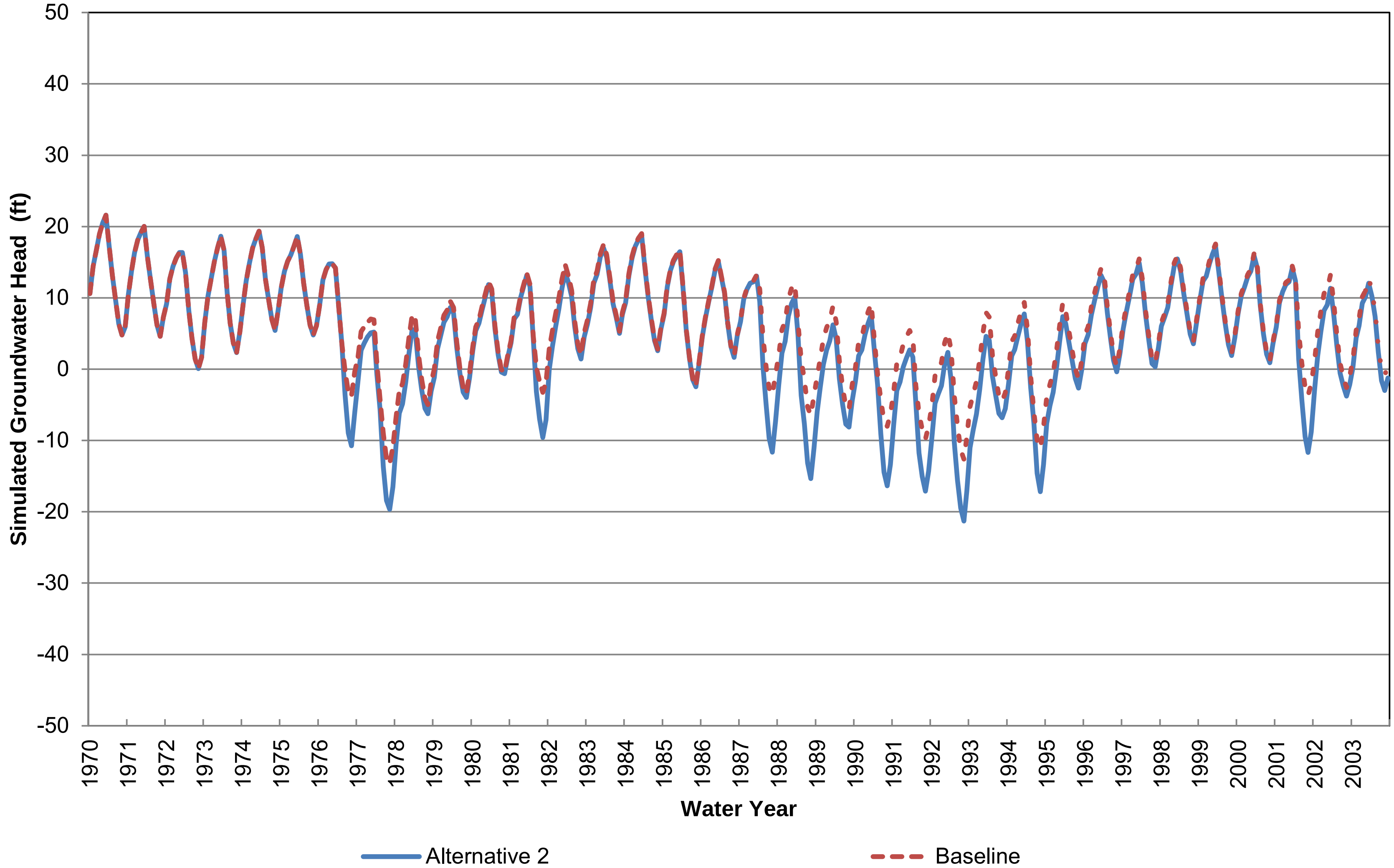
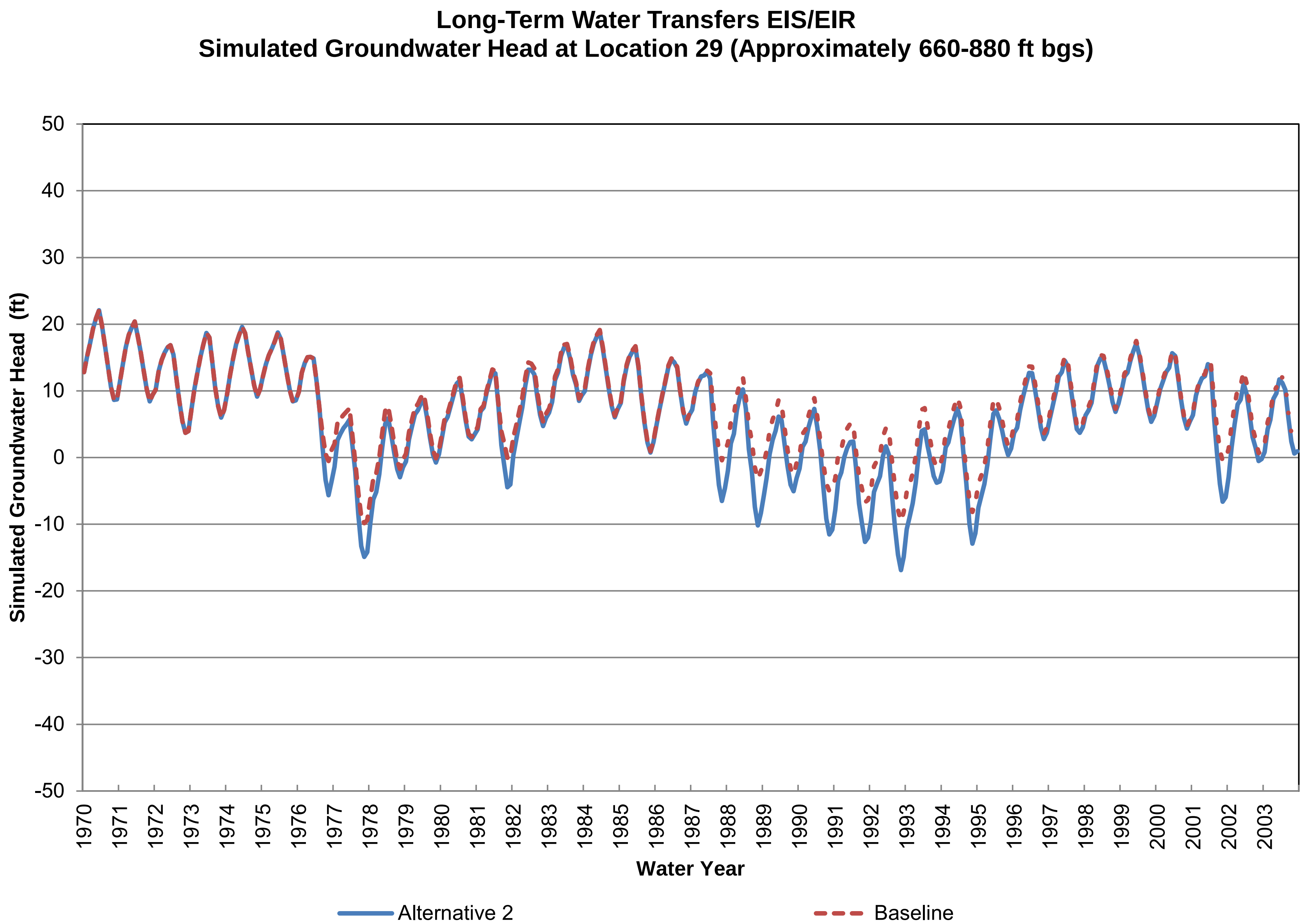
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

**Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 29 (Approximately 470-660 ft bgs)**




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 29 (Approximately 660-880 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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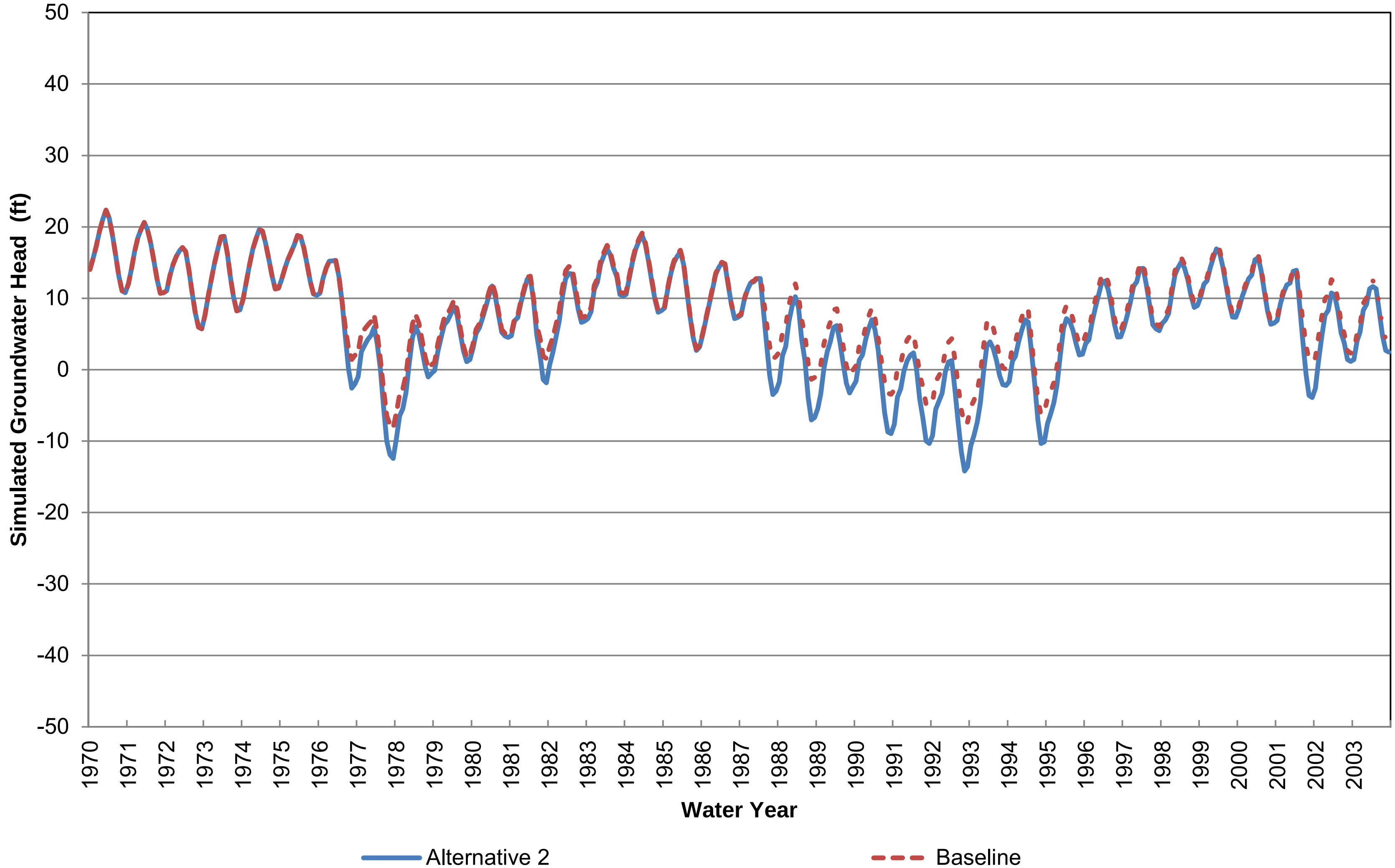
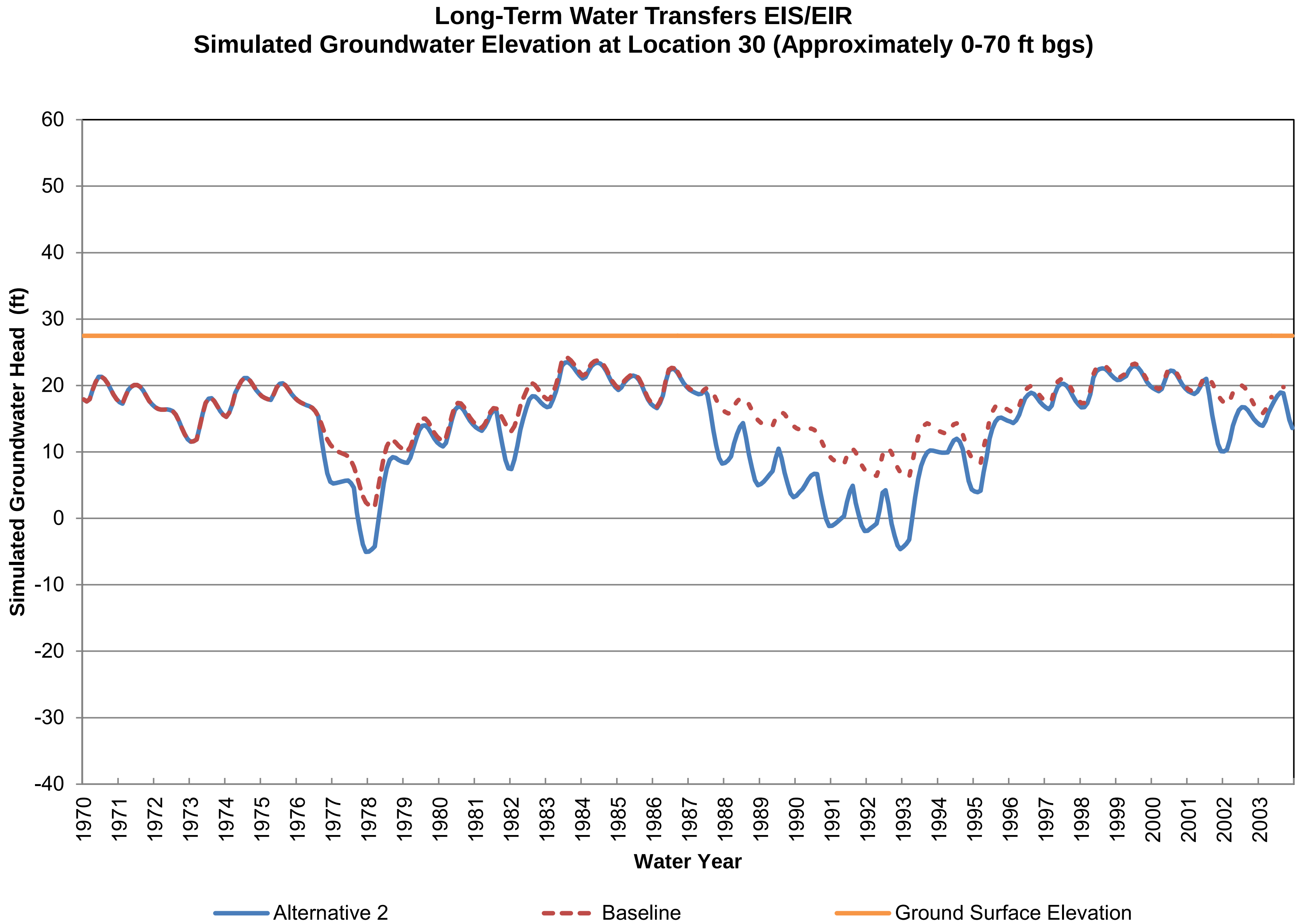
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 29 (Approximately 880-1210 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 30 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
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1990
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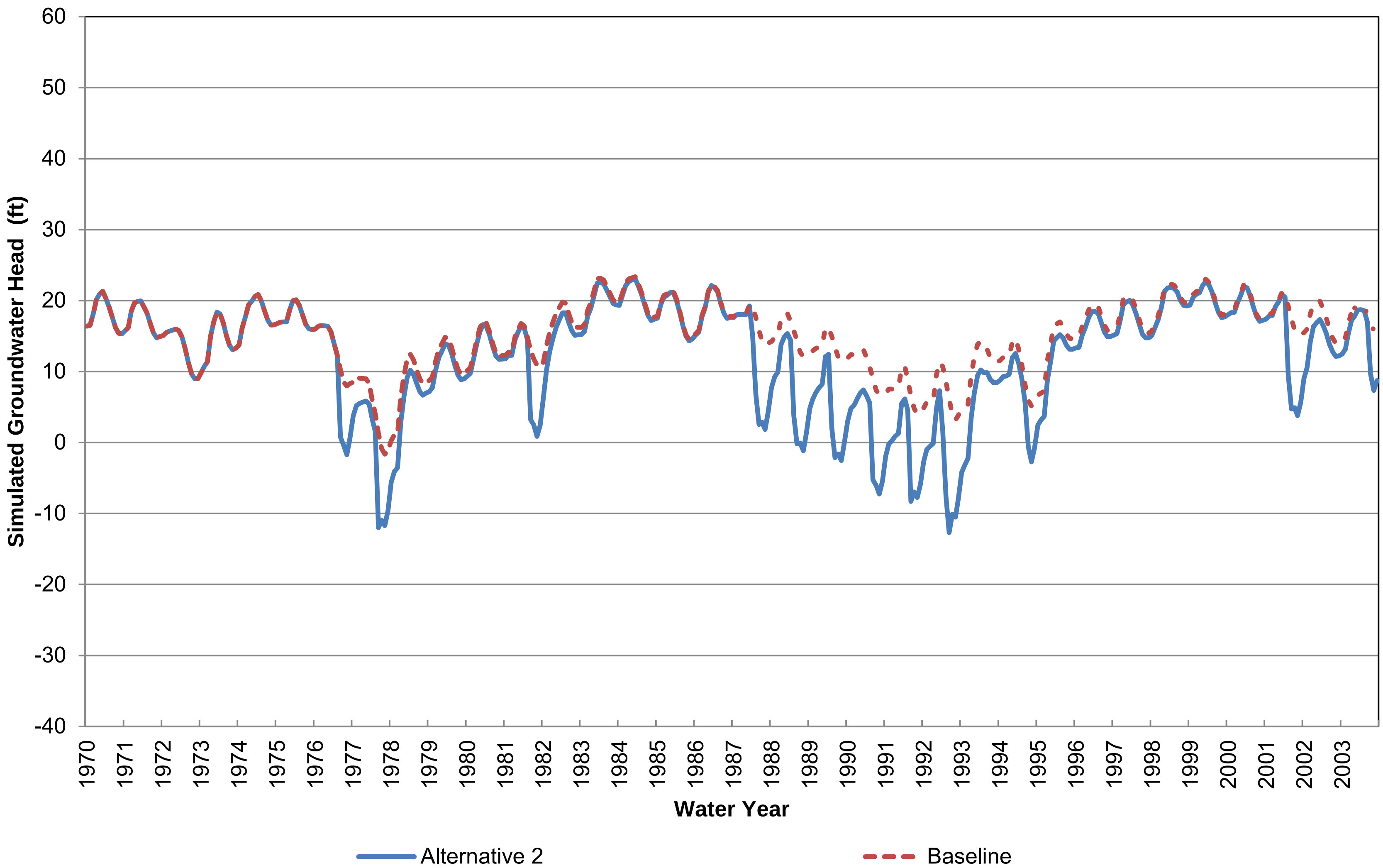
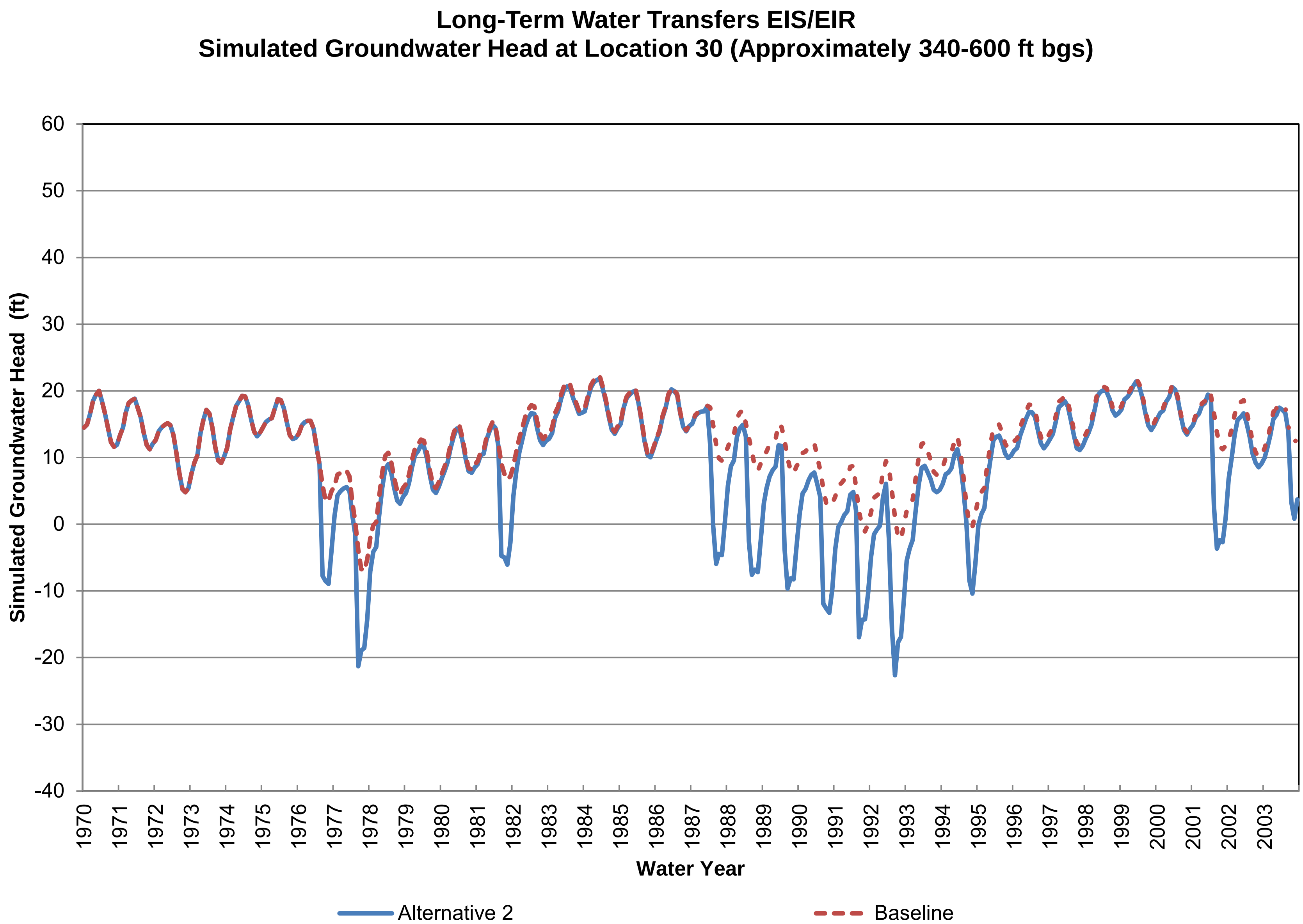
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 30 (Approximately 70-340 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 30 (Approximately 340-600 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
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1984
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1987
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1989
1990
1991
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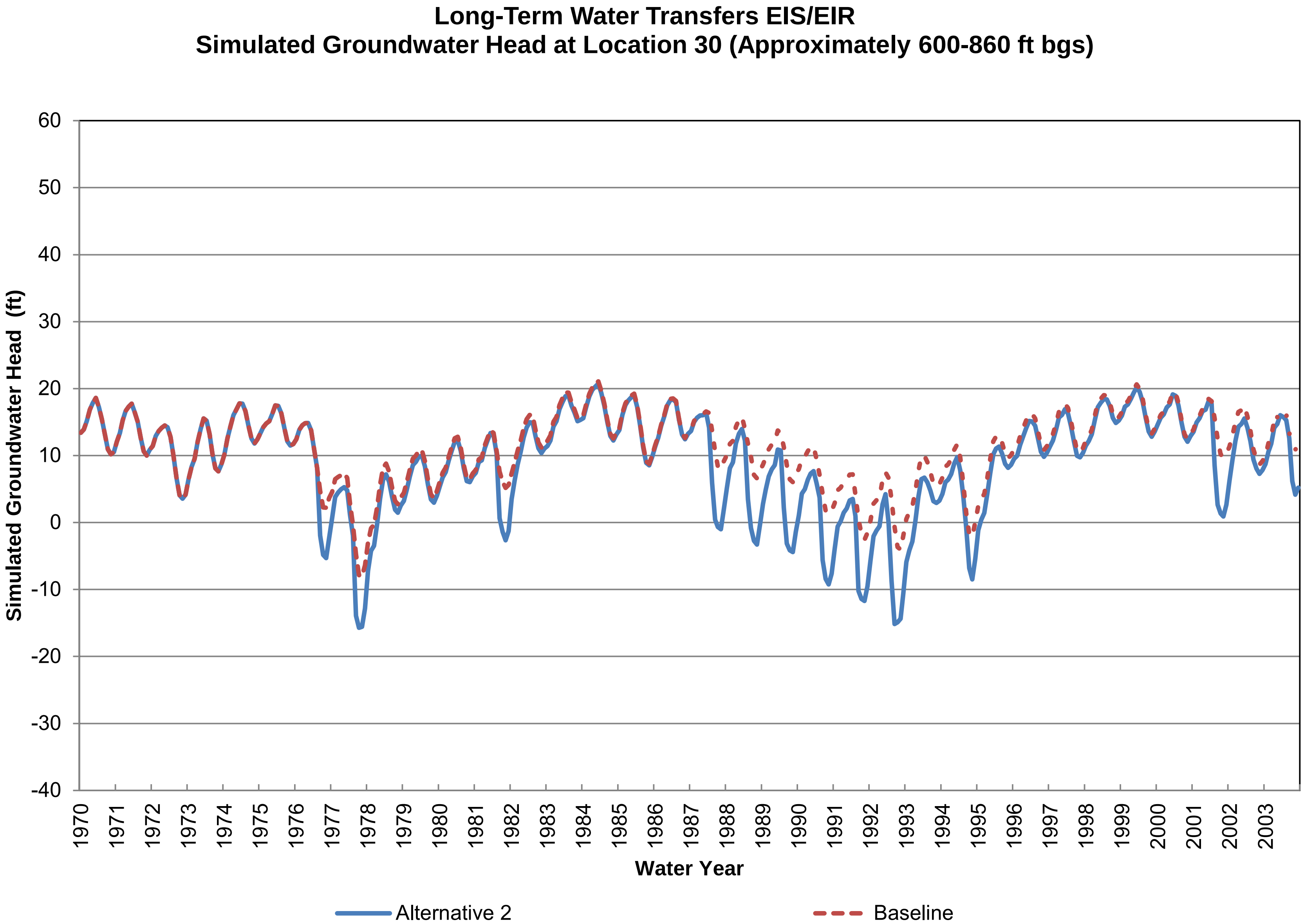
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 30 (Approximately 600-860 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
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1978
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1991
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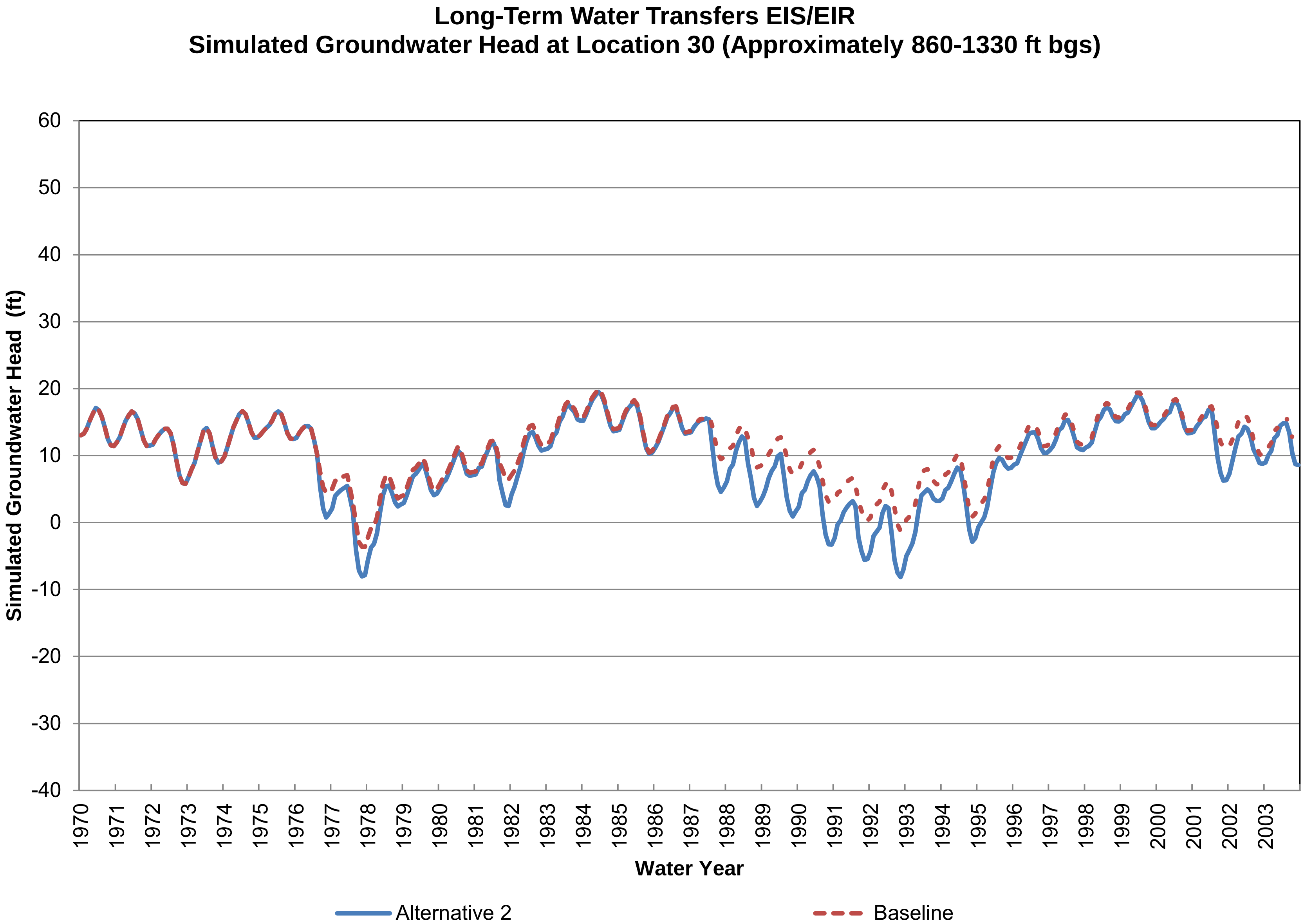
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 30 (Approximately 860-1330 ft bgs)
60
50
40
30
20
10
0
-10
-20
-30
-40
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1983
1984
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1998
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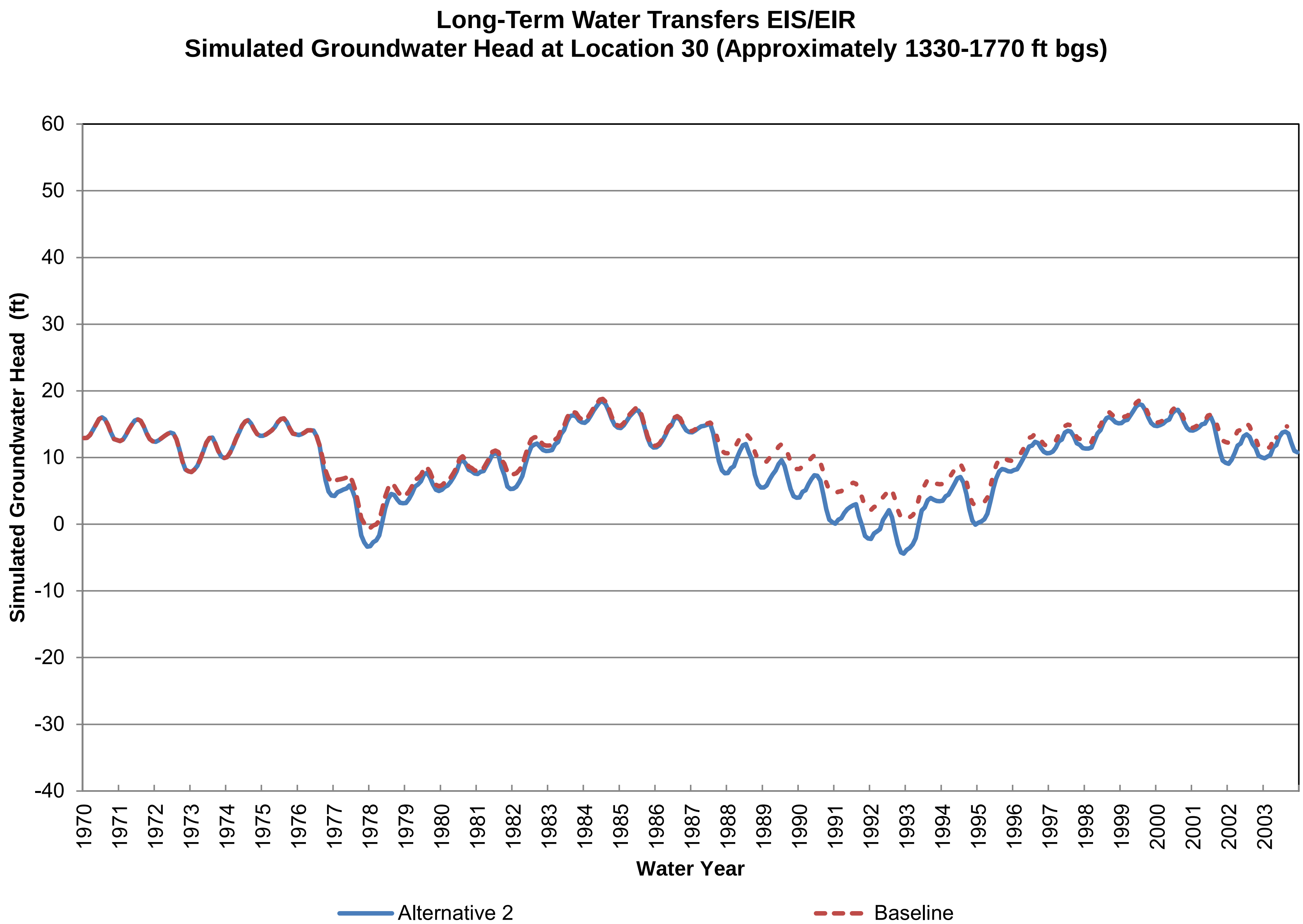
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 30 (Approximately 1330-1770 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
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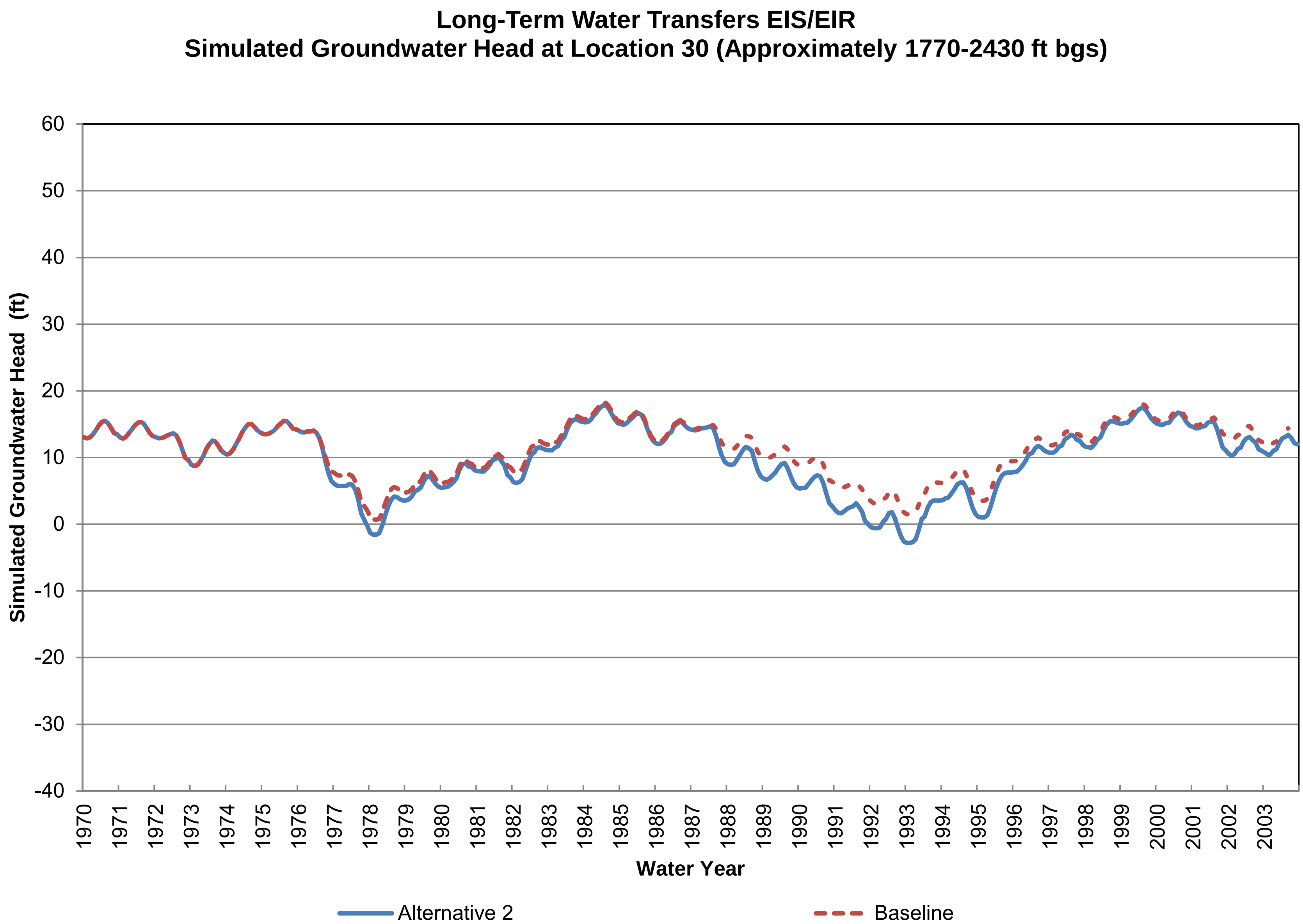
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 30 (Approximately 1770-2430 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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1981
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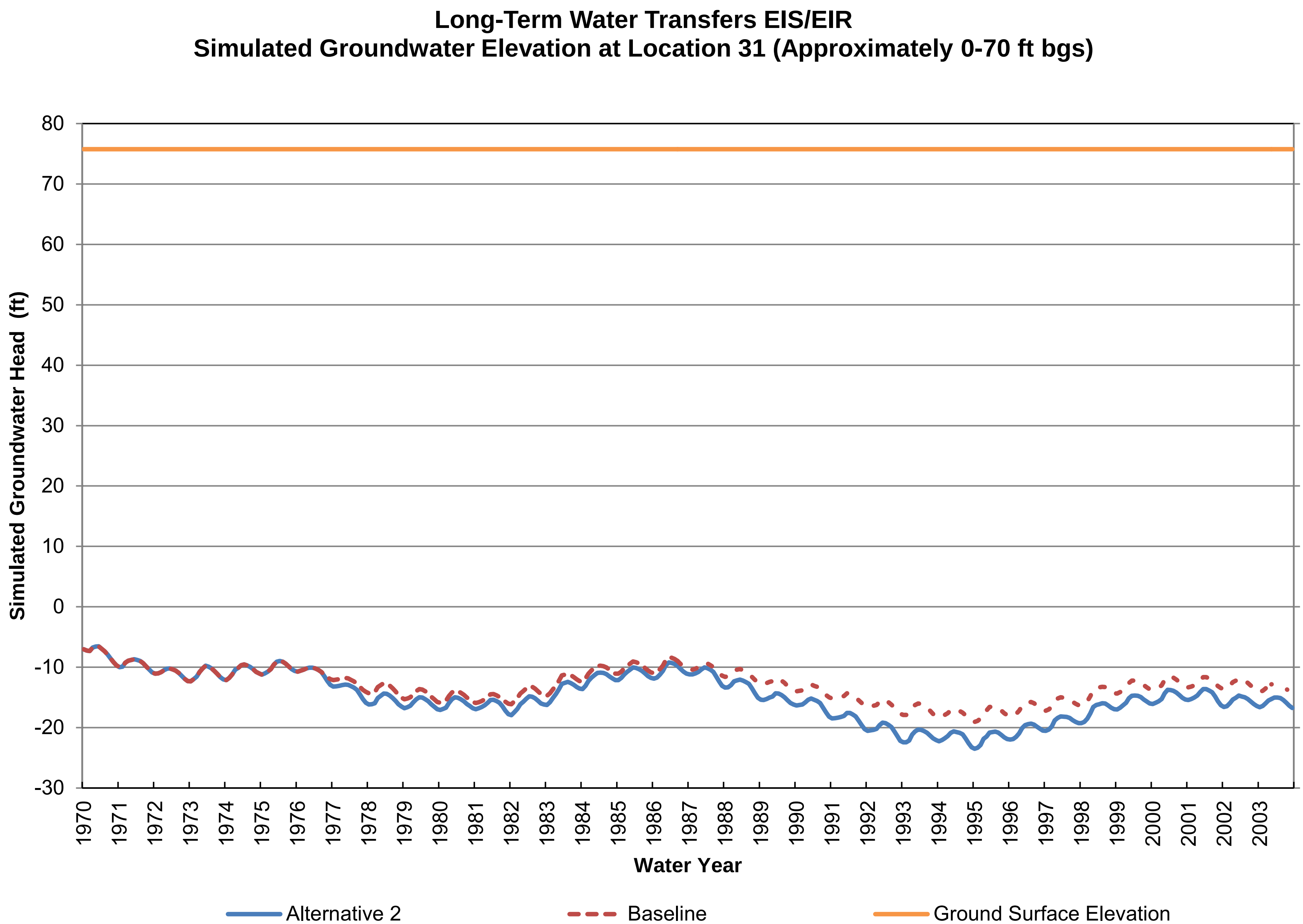
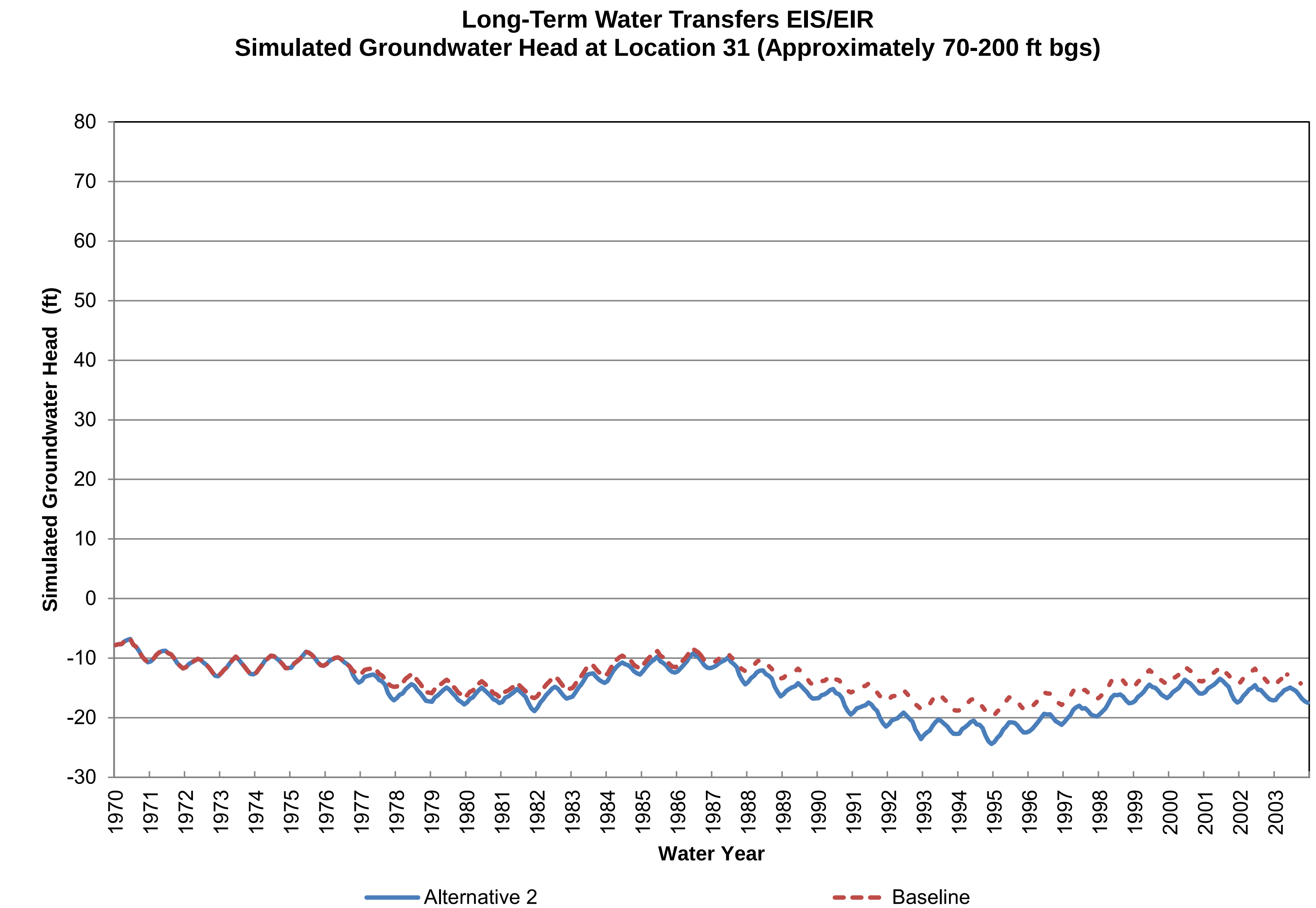
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 31 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
-30
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 31 (Approximately 70-200 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
-30
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1994
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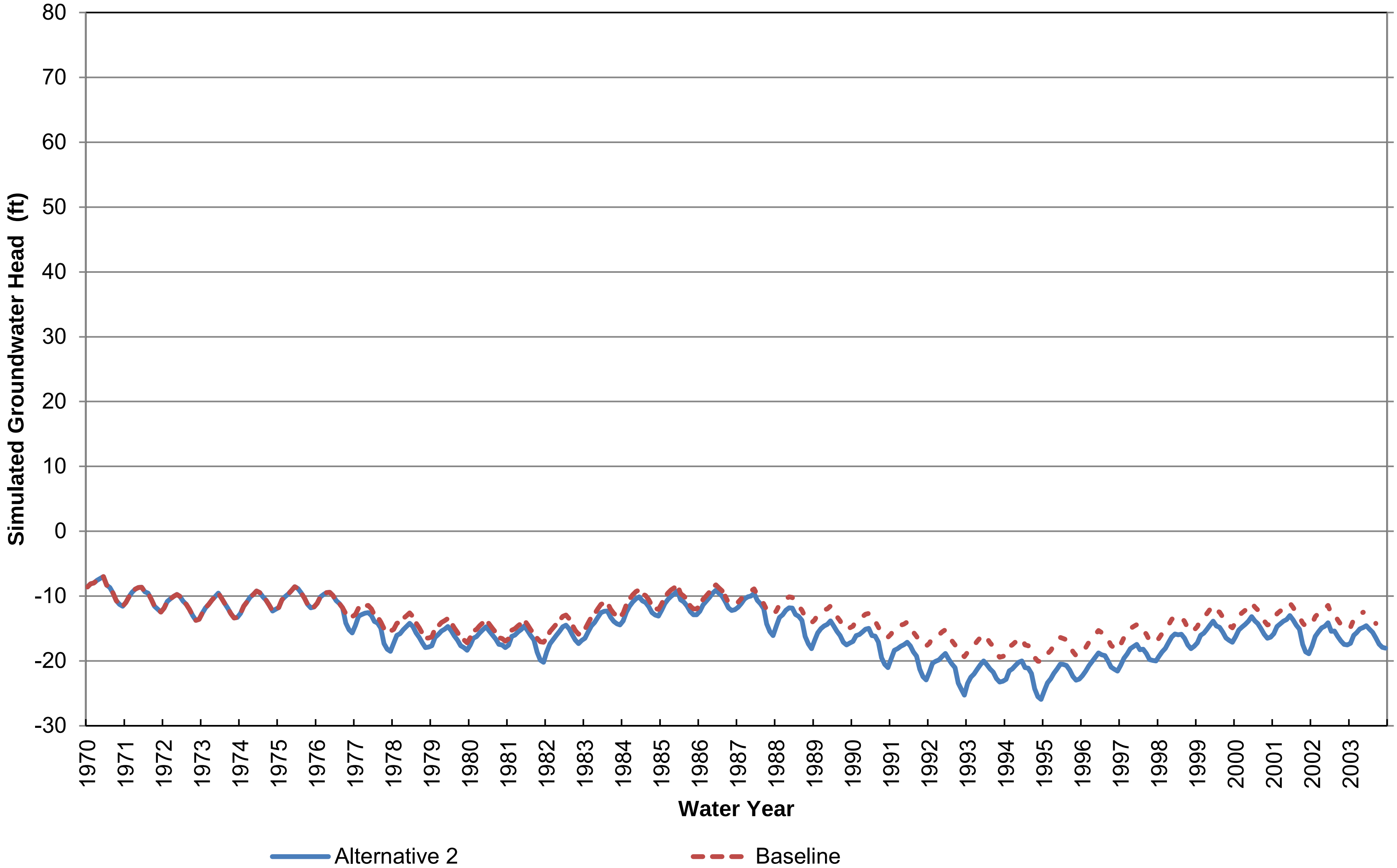
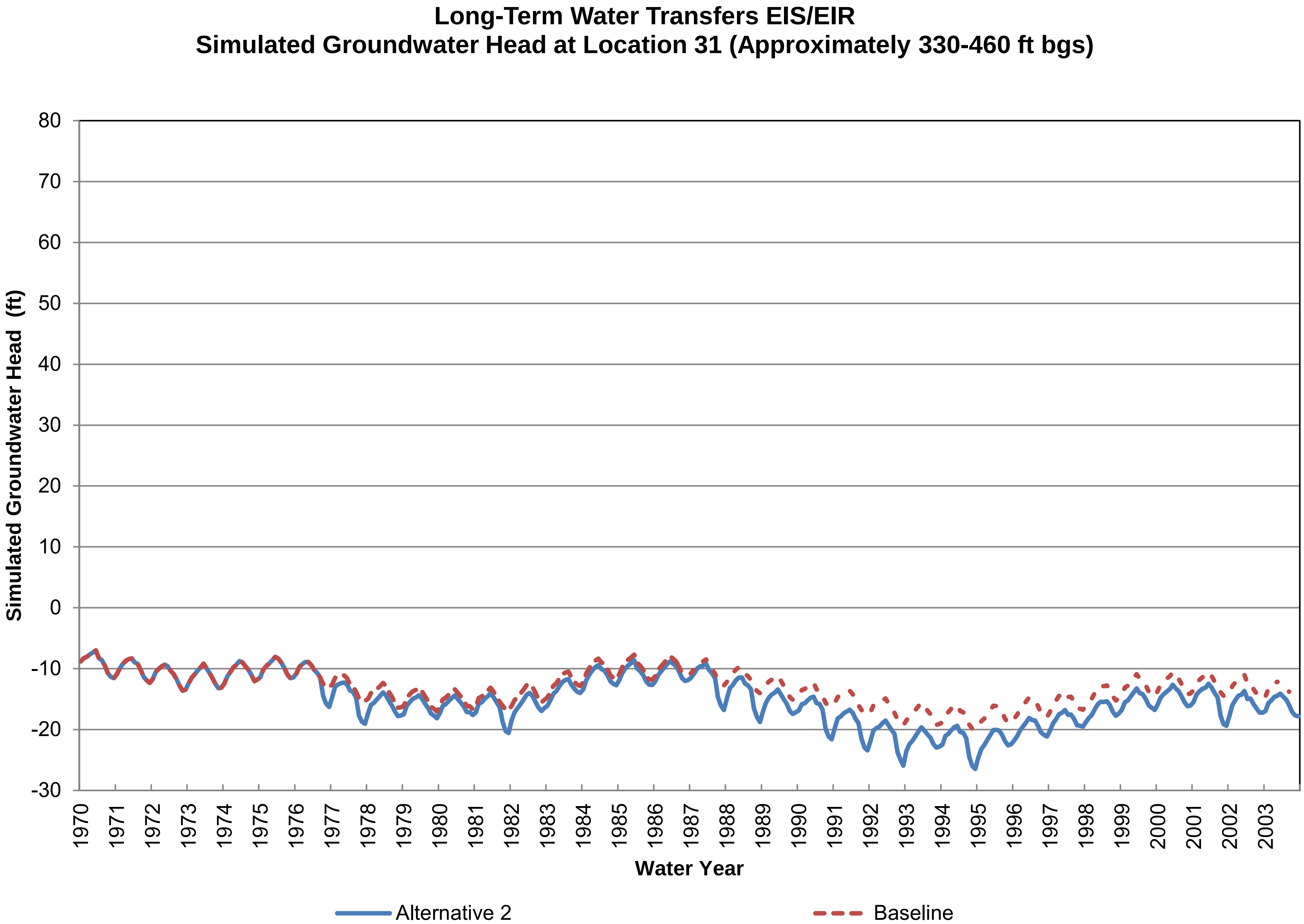
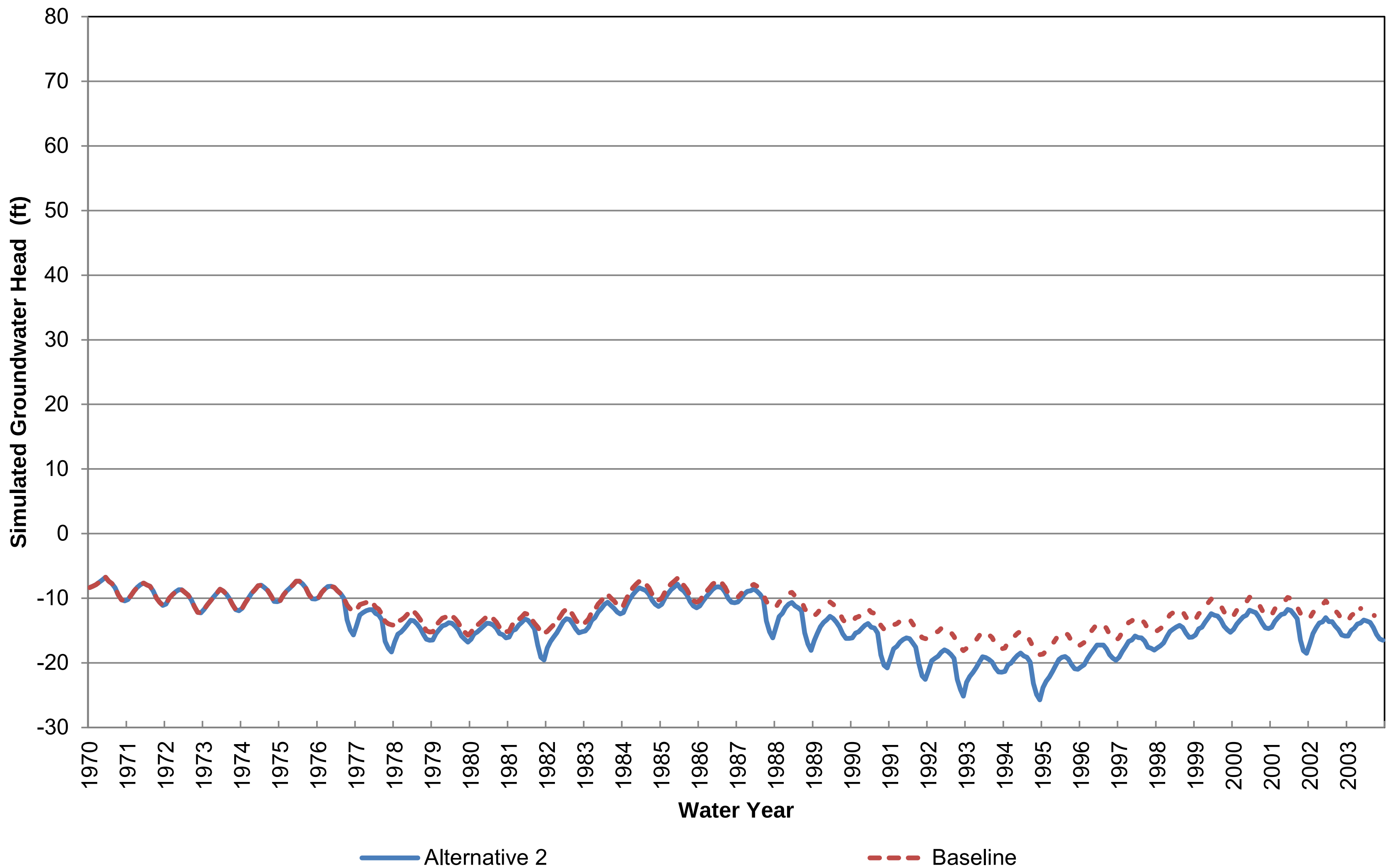
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 31 (Approximately 200-330 ft bgs)

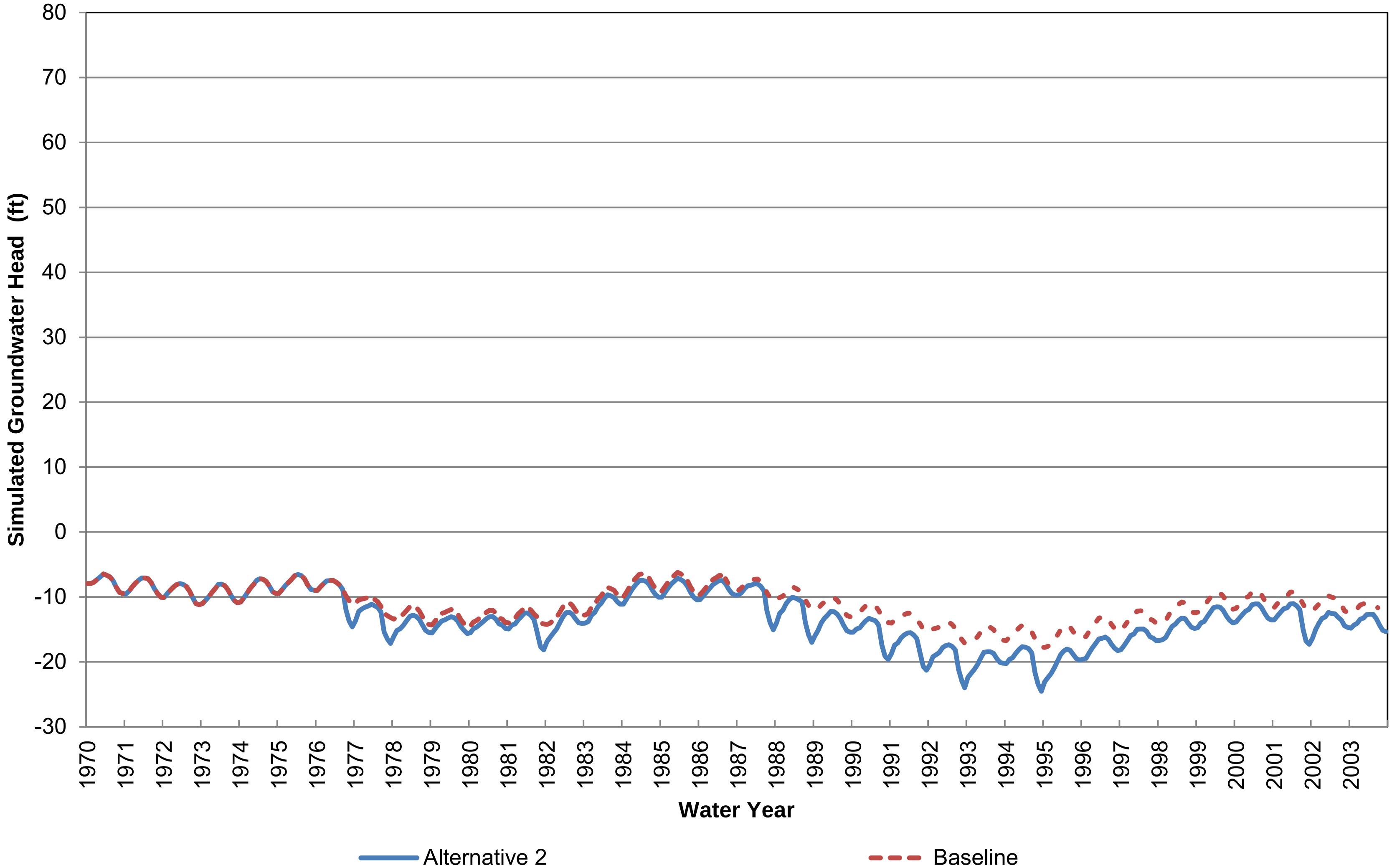


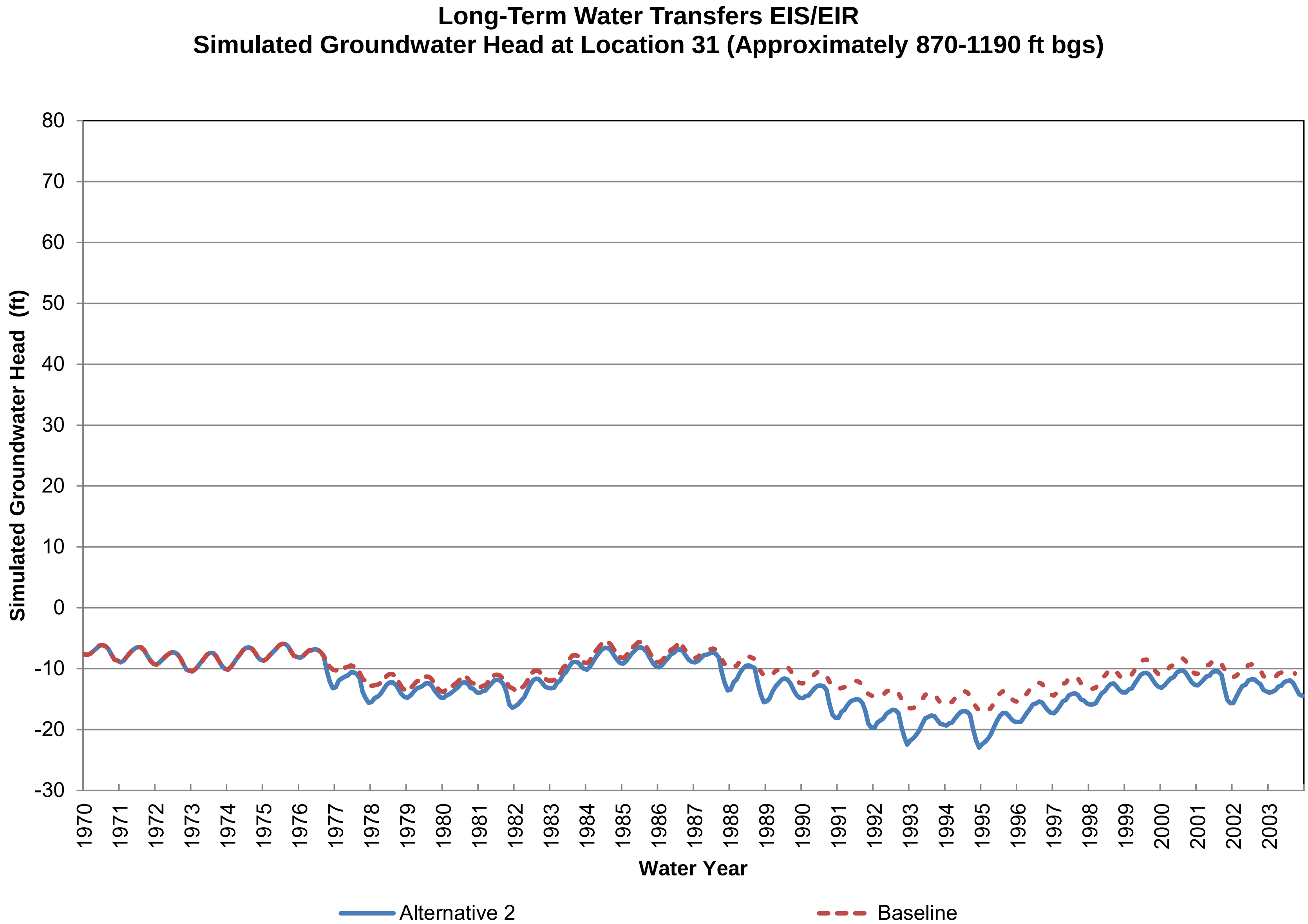

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 31 (Approximately 330-460 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
-30
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

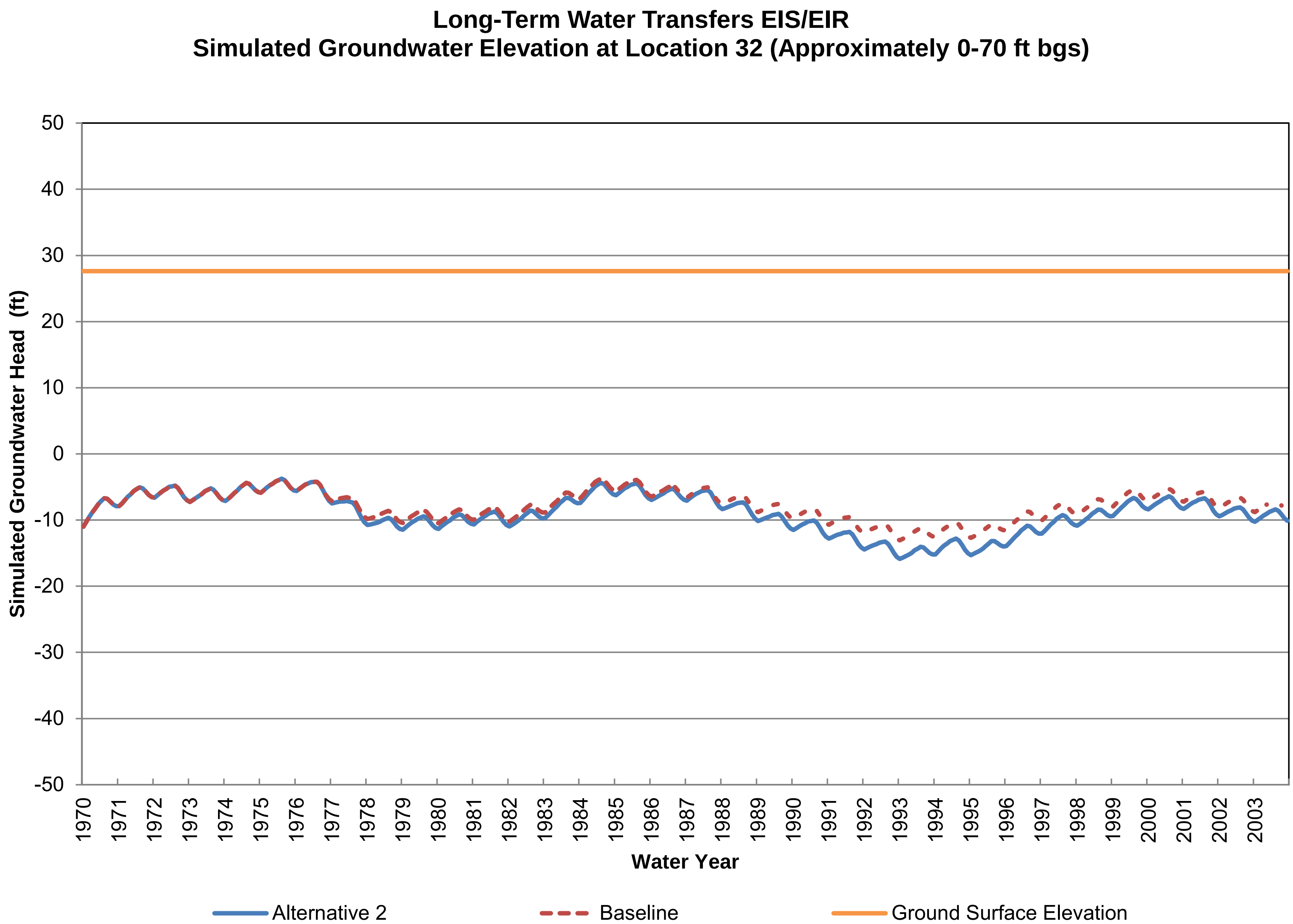
Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 31 (Approximately 460-650 ft bgs)



Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 31 (Approximately 650-870 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 31 (Approximately 870-1190 ft bgs)
Simulated Groundwater Head (ft)
80
70
60
50
40
30
20
10
0
-10
-20
-30
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 32 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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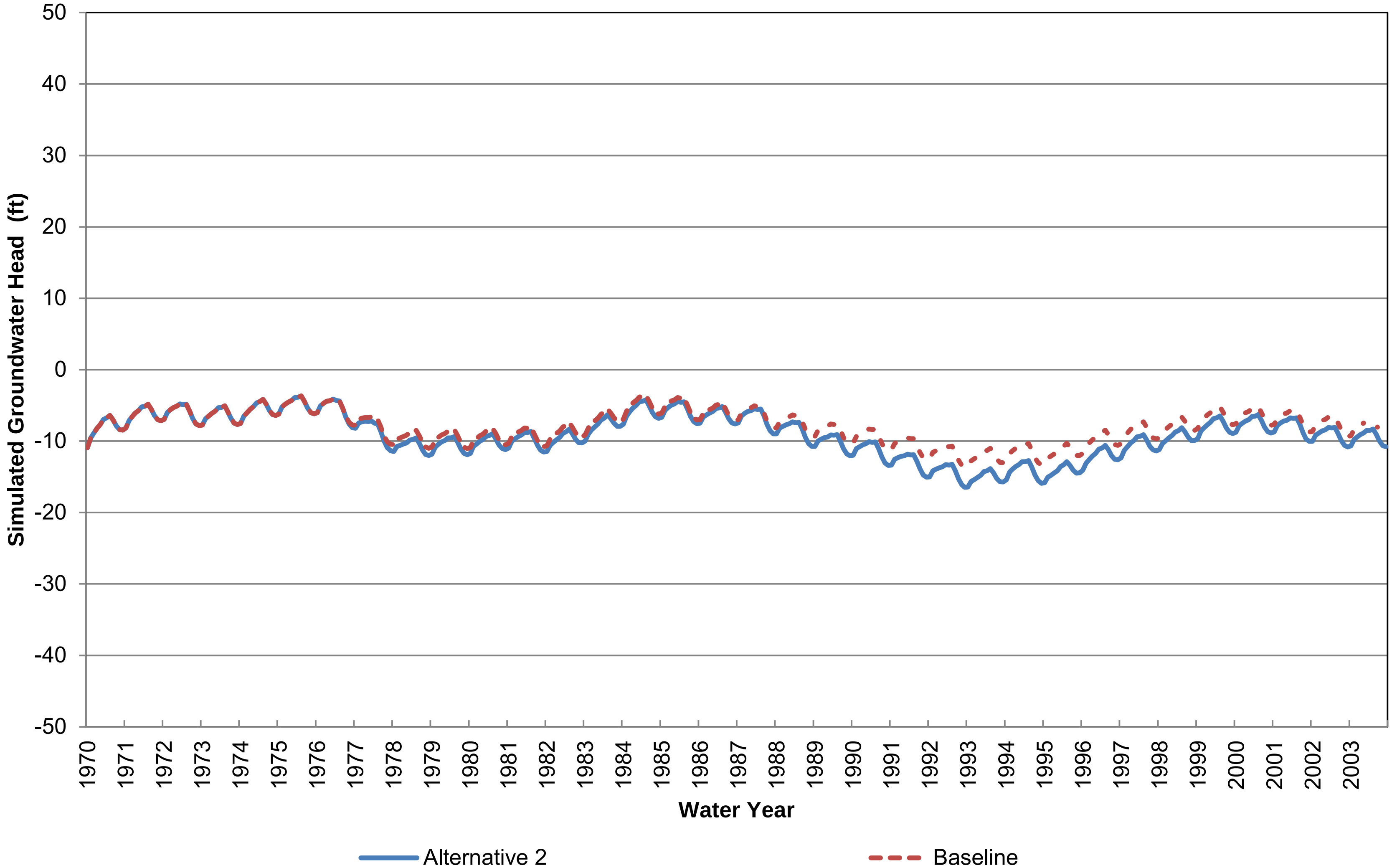
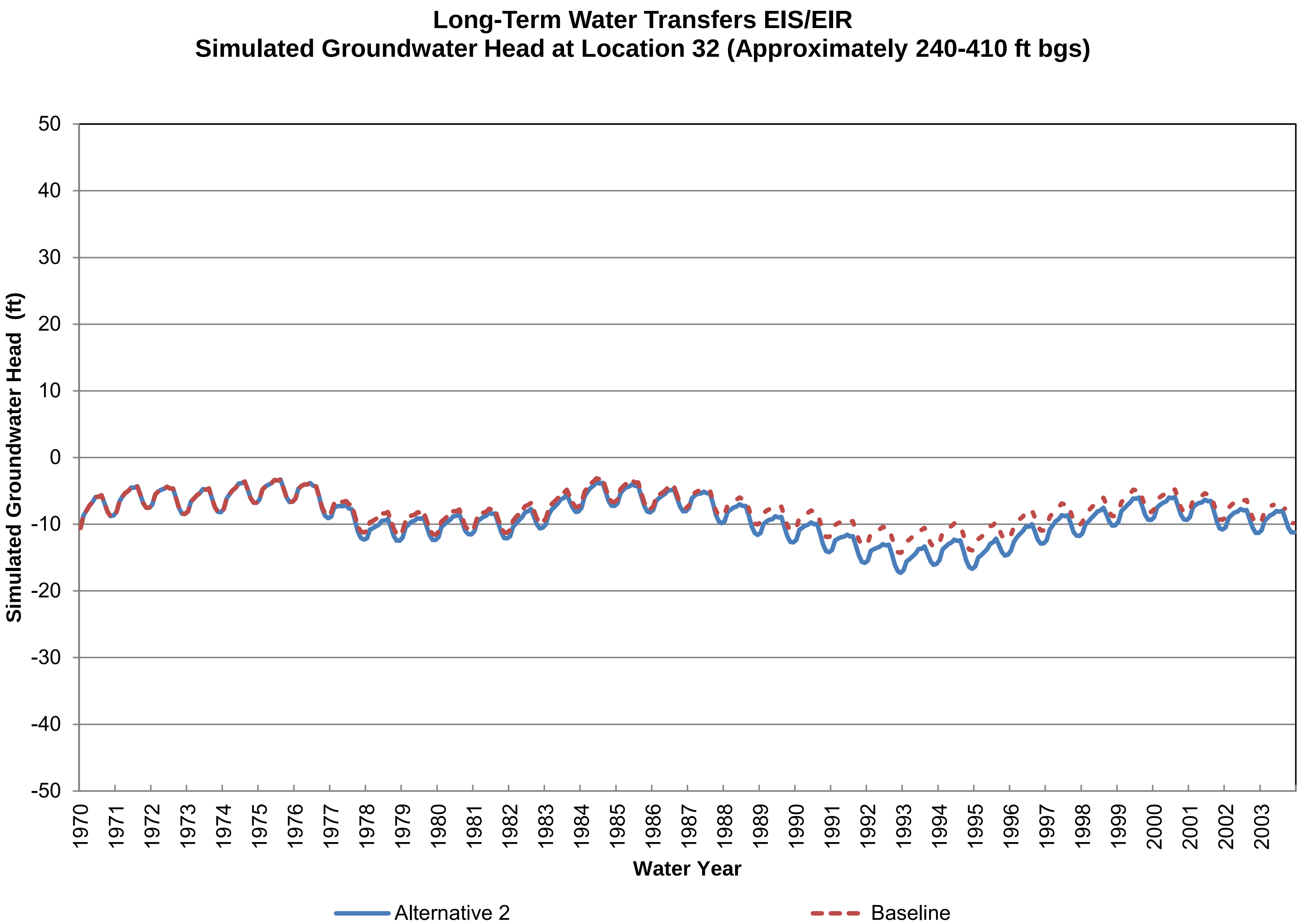
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 32 (Approximately 70-240 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 32 (Approximately 240-410 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
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1989
1990
1991
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1994
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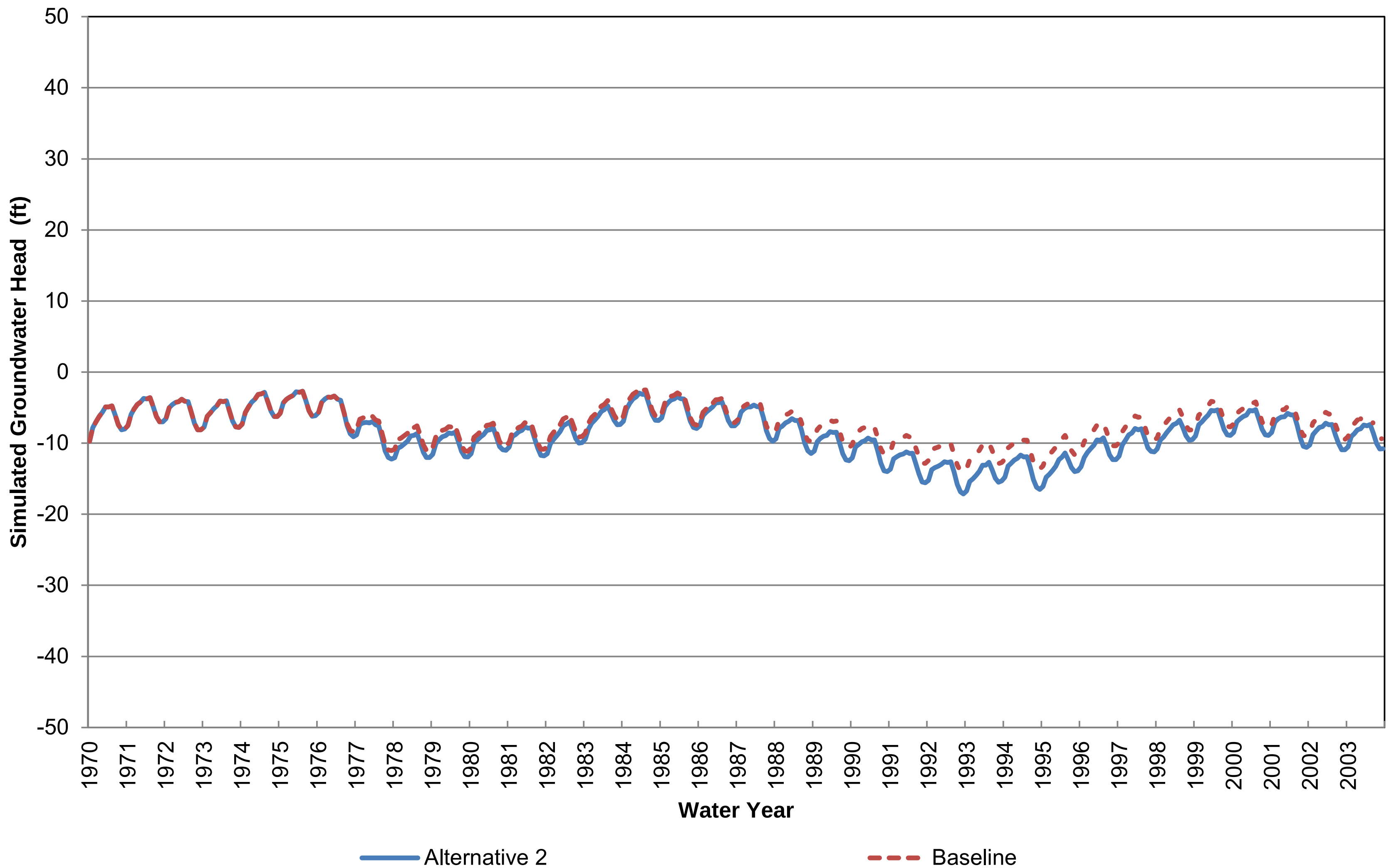
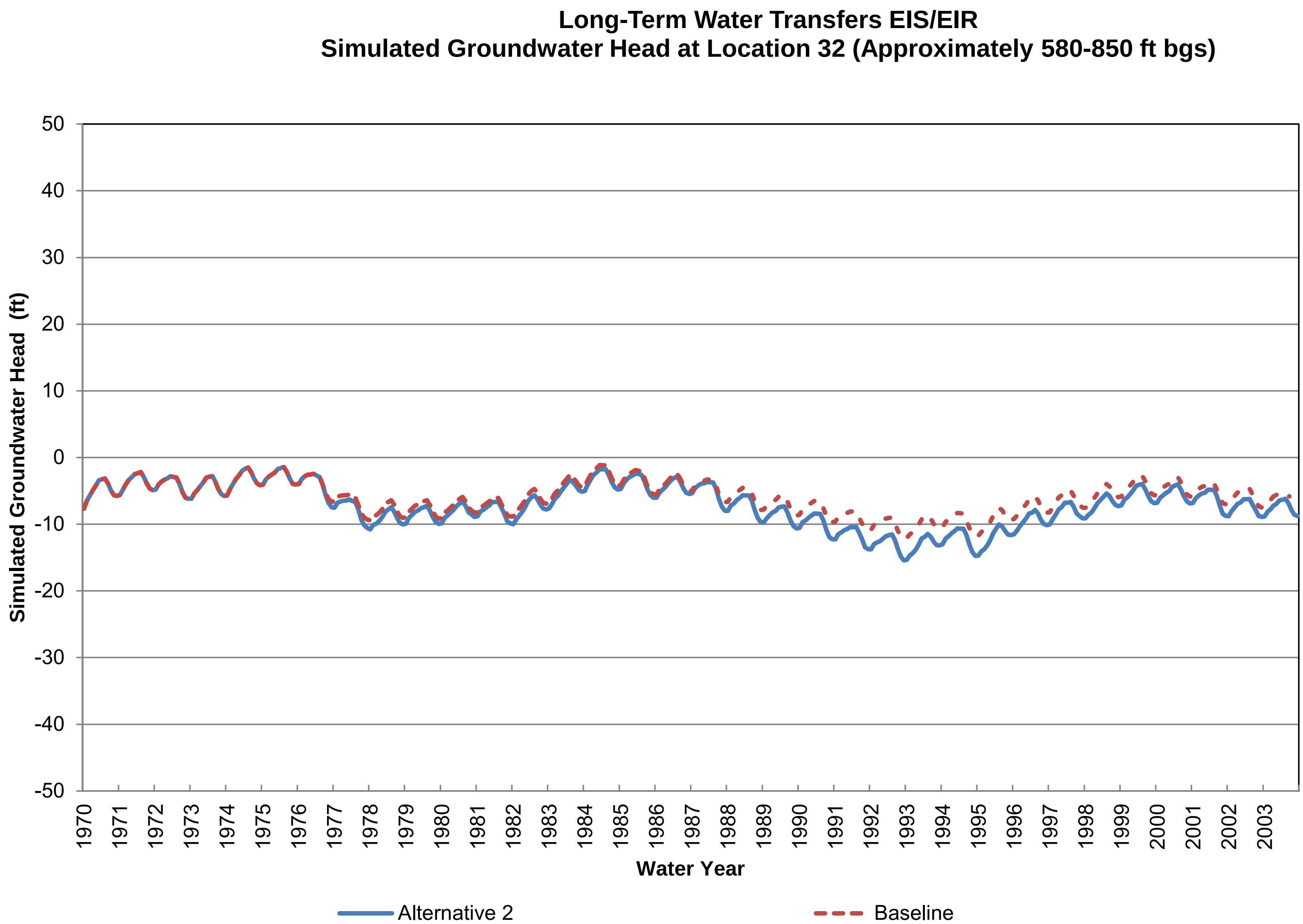
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 32 (Approximately 410-580 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 32 (Approximately 580-850 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
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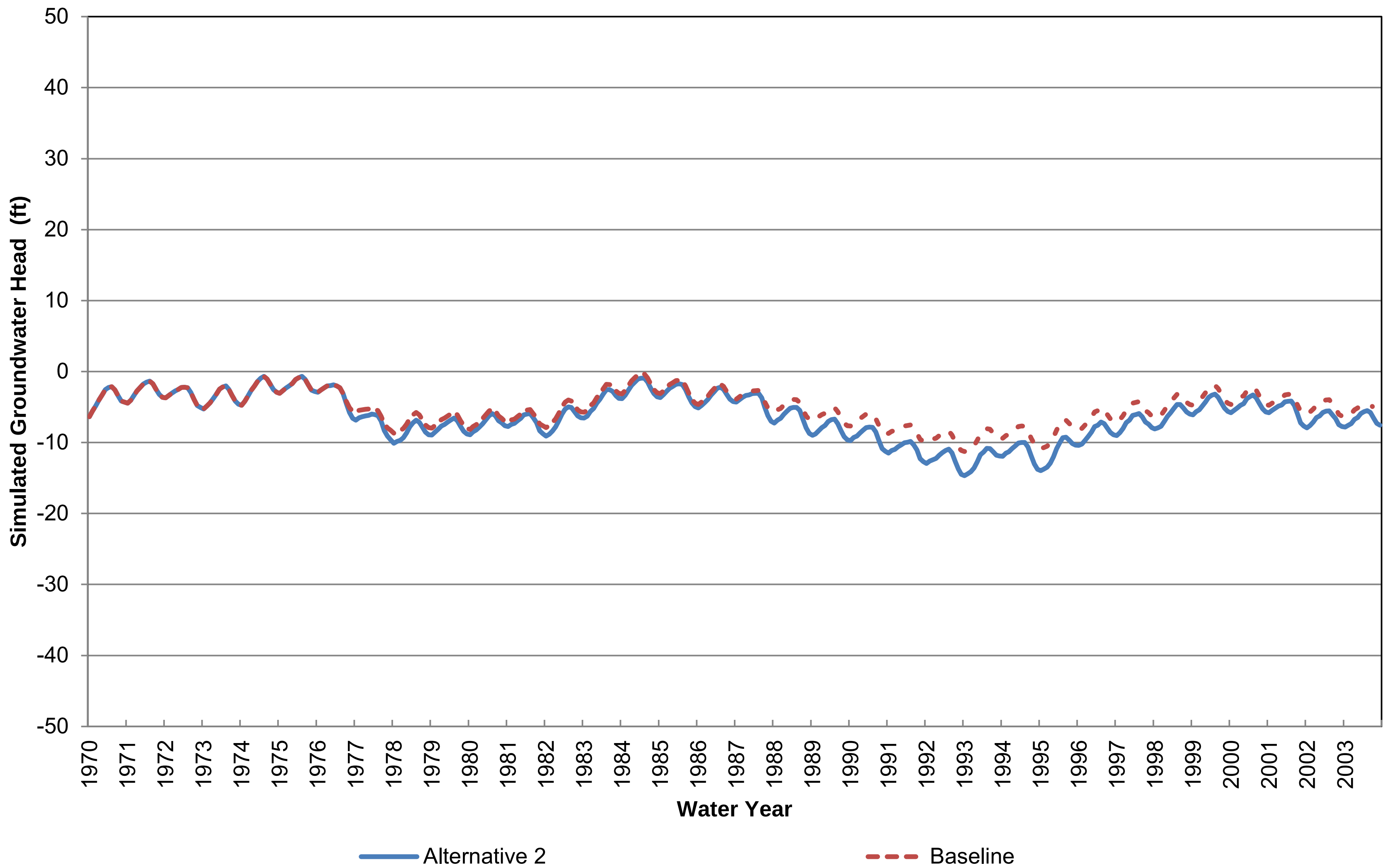
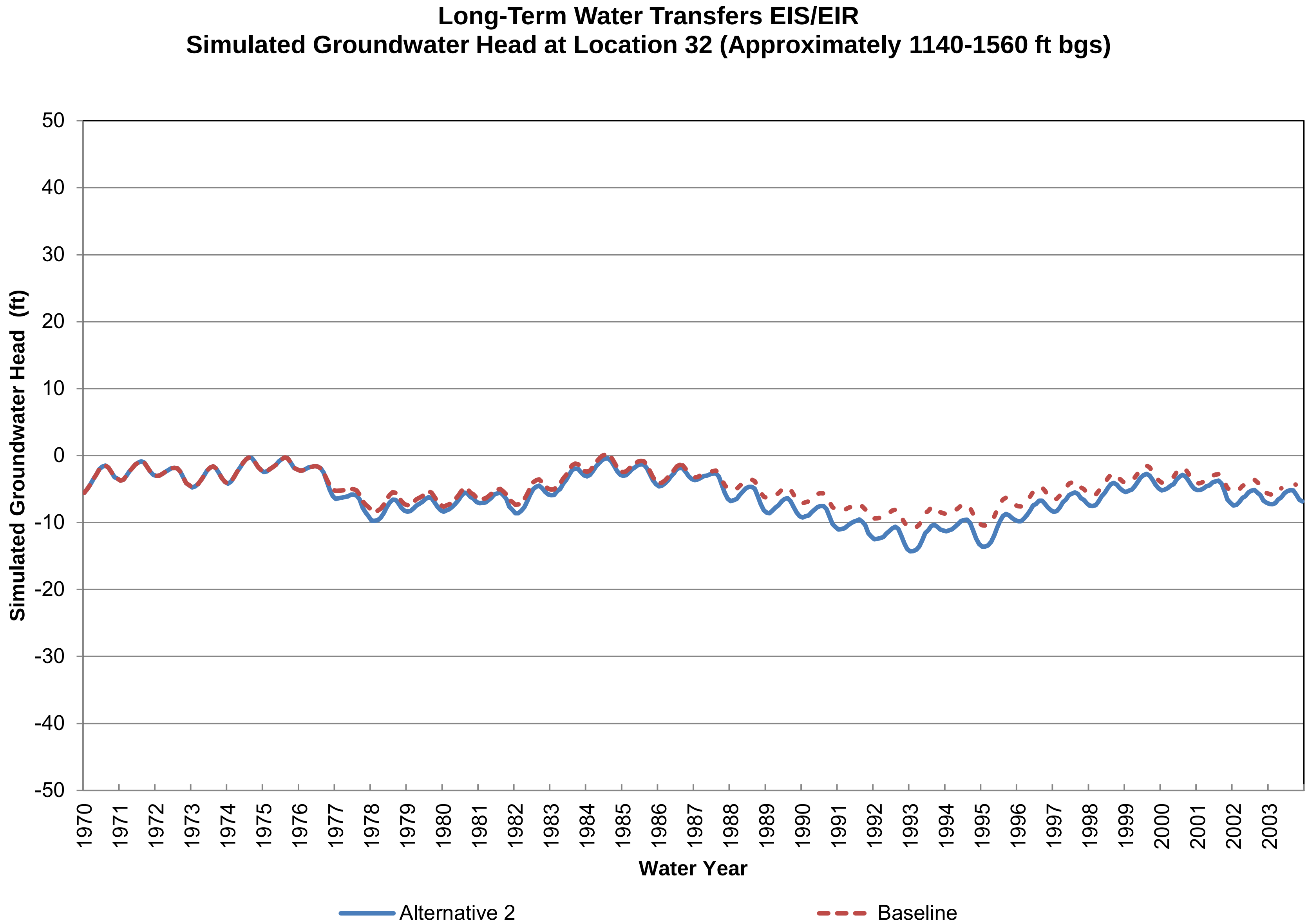
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 32 (Approximately 850-1140 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 32 (Approximately 1140-1560 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
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1980
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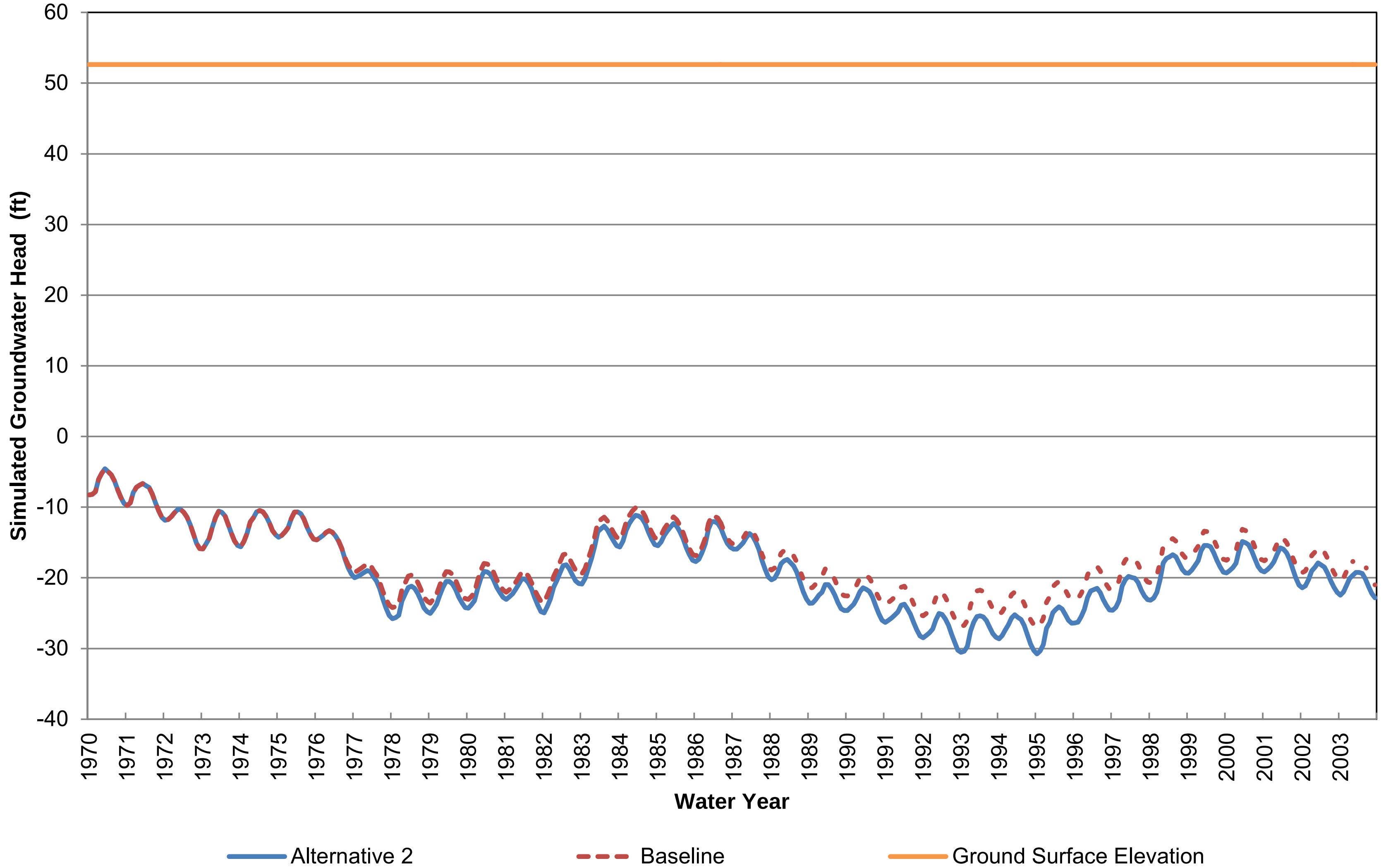
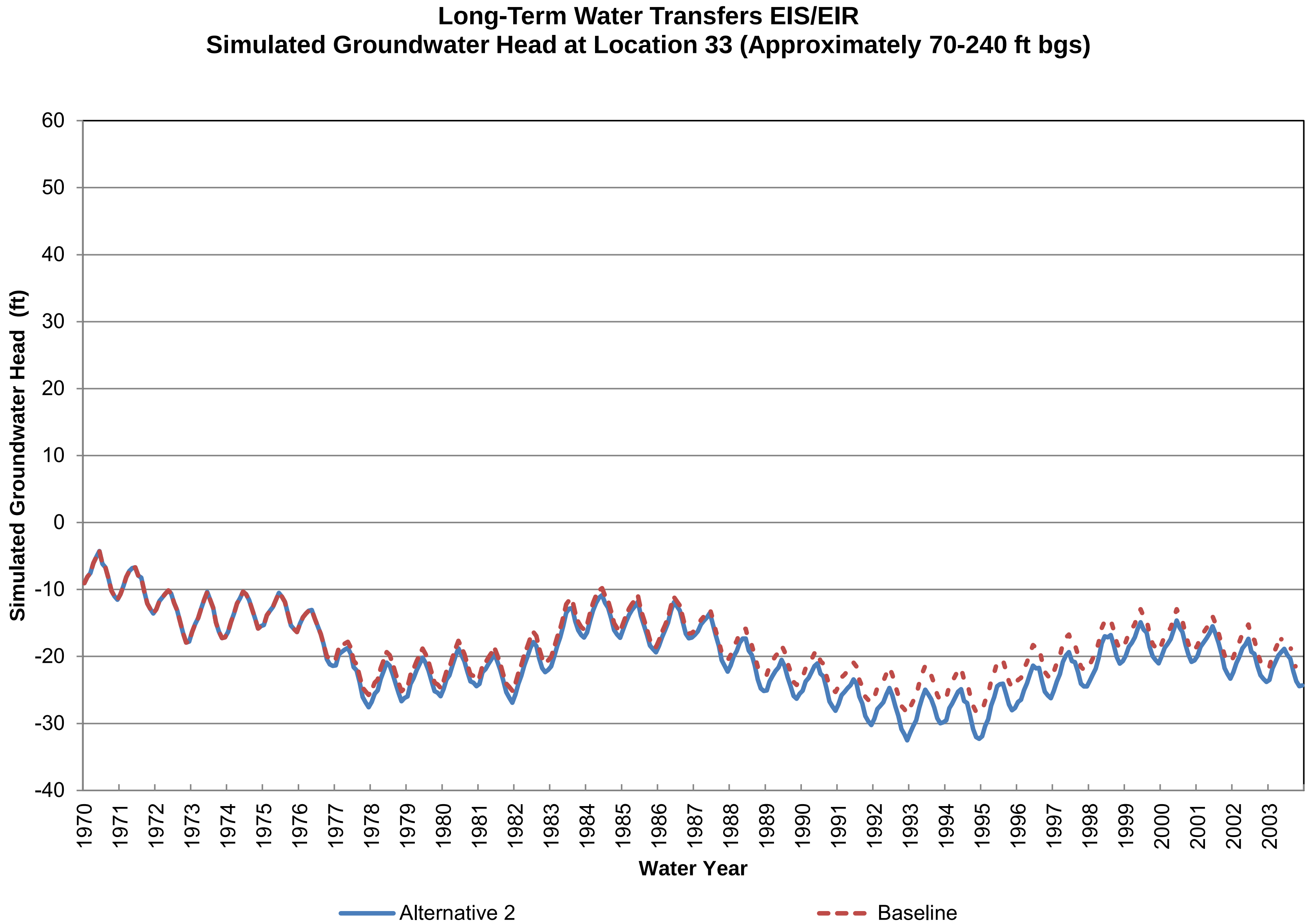
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline

Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 33 (Approximately 0-70 ft bgs)




Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 33 (Approximately 70-240 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
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1998
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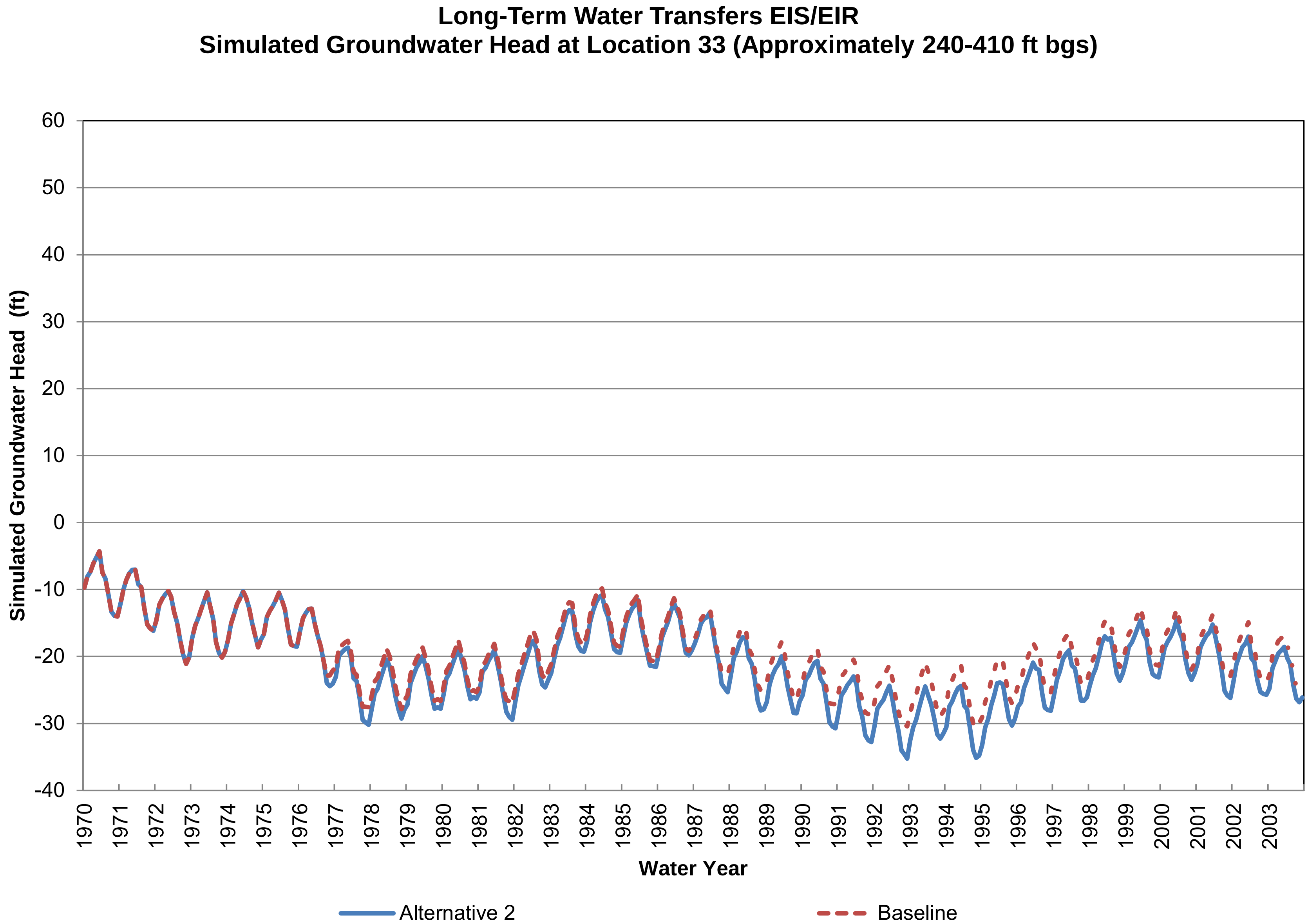
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 33 (Approximately 240-410 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
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1992
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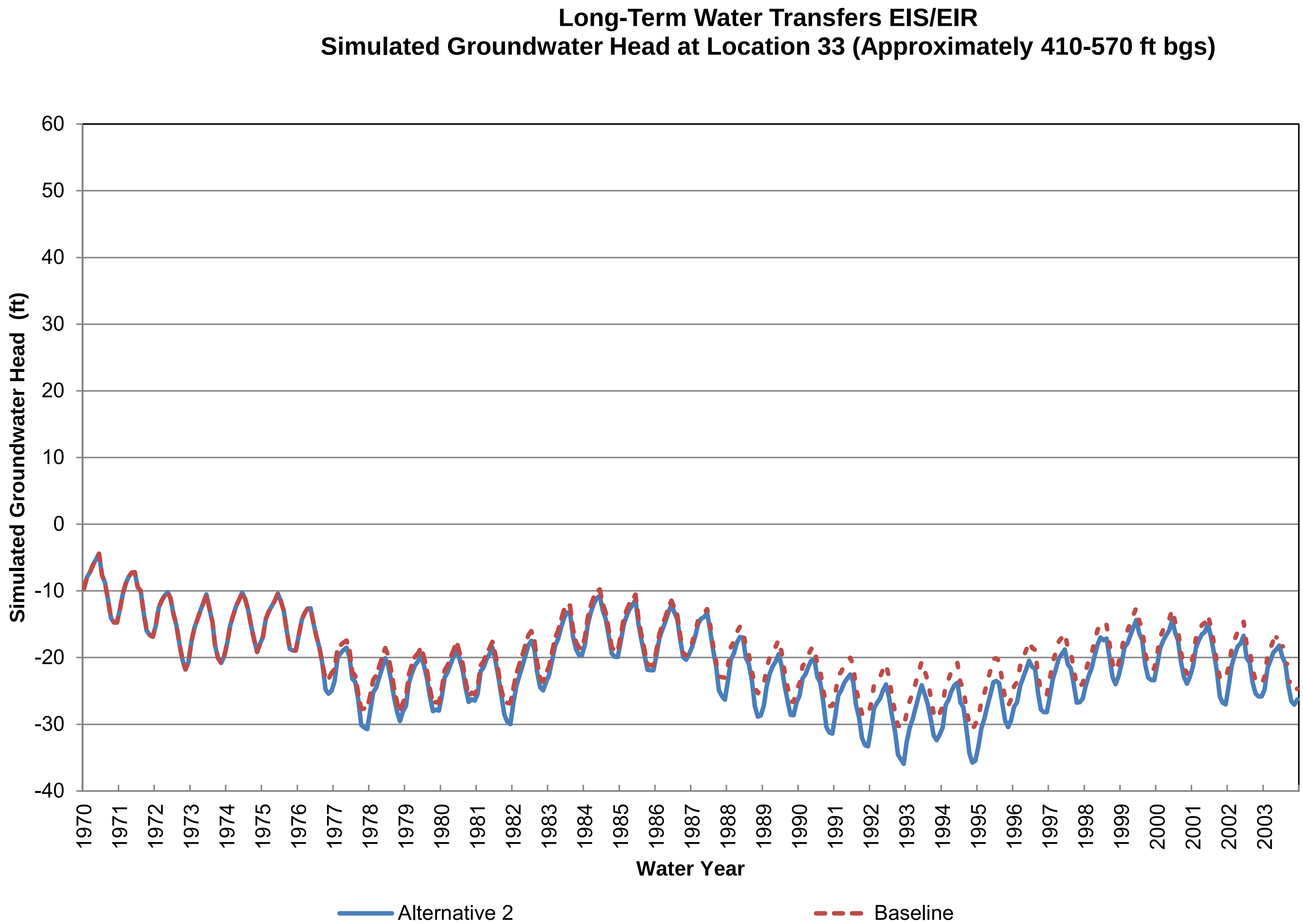
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 33 (Approximately 410-570 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
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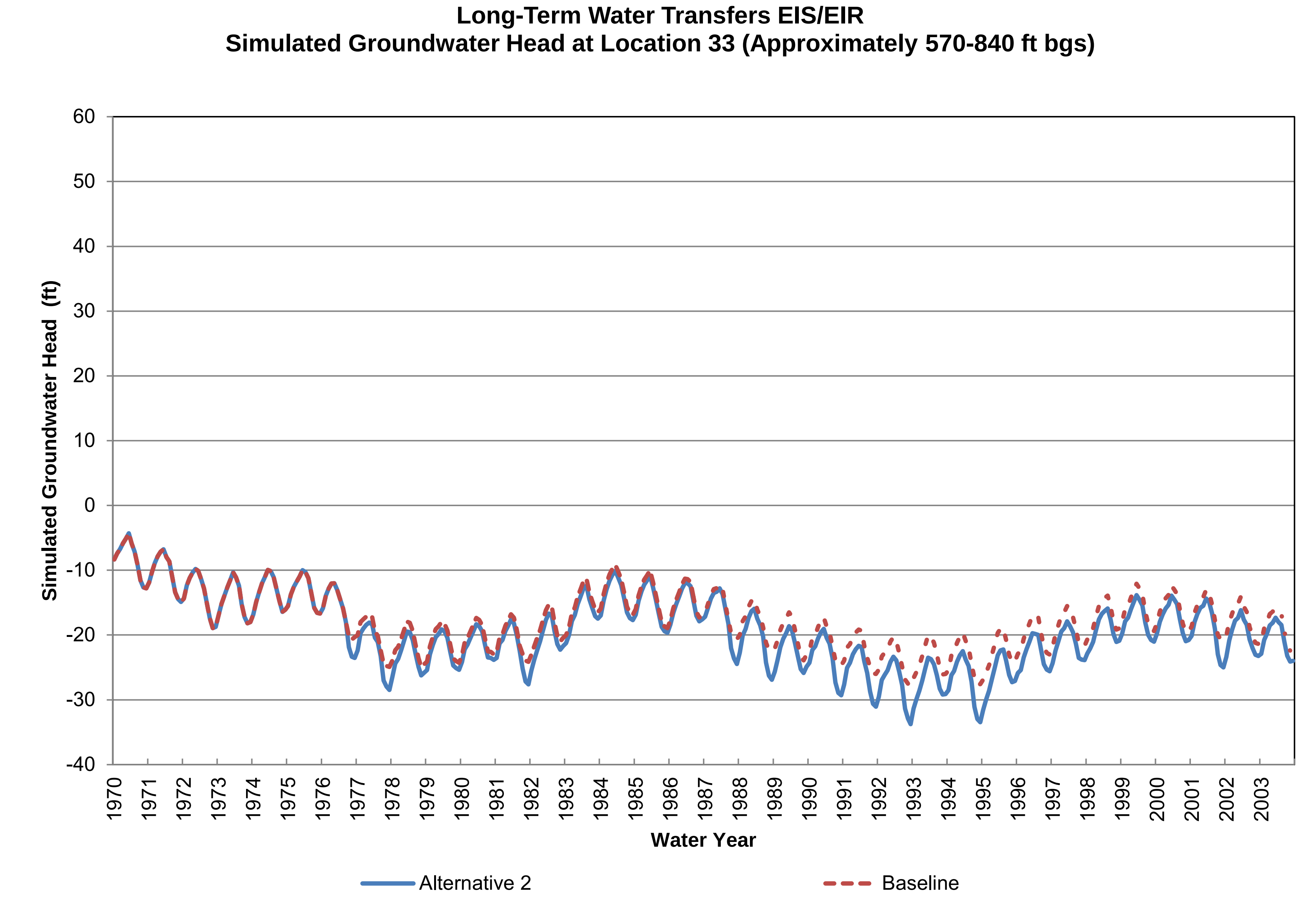
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 33 (Approximately 570-840 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
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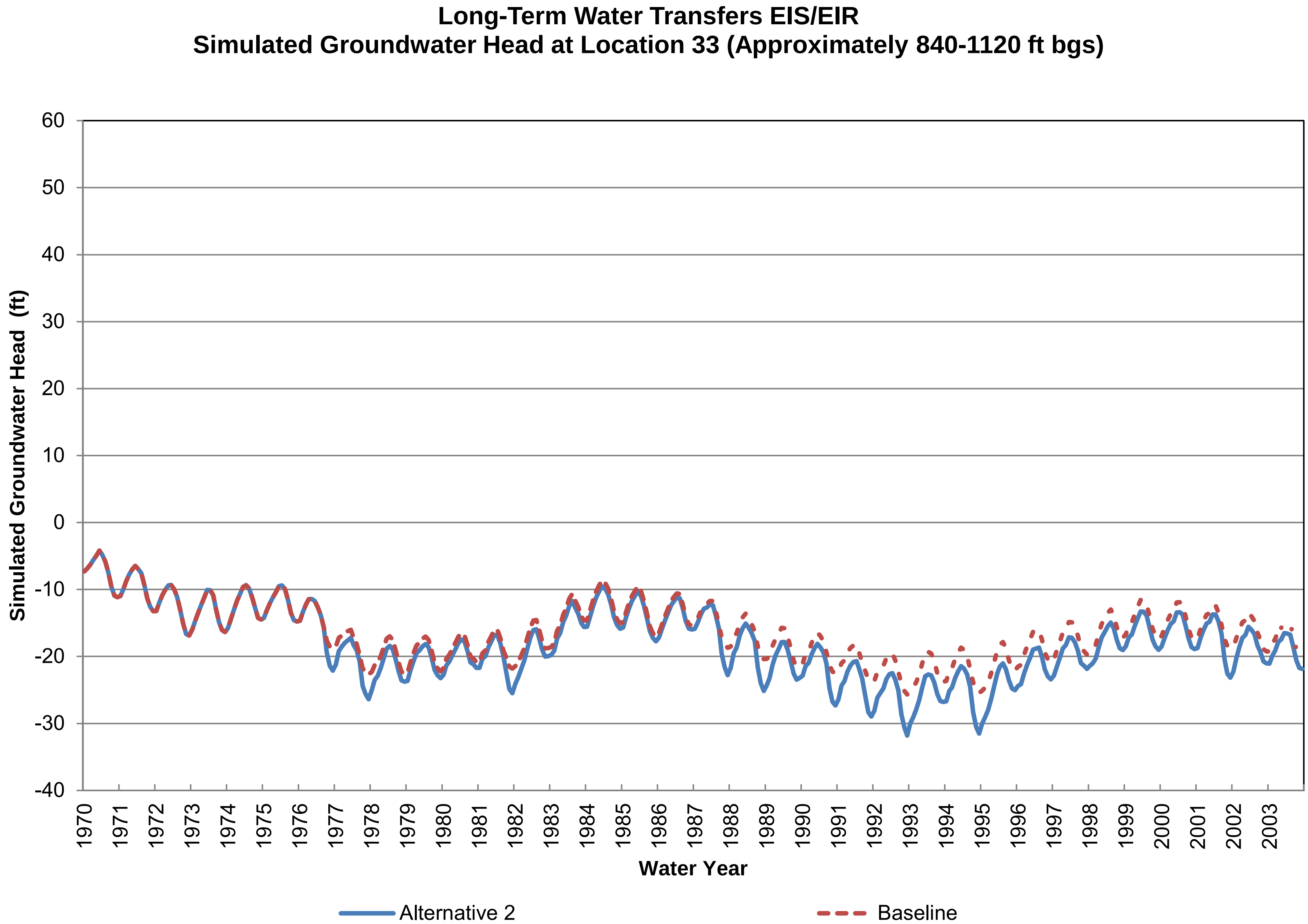
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 33 (Approximately 840-1120 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
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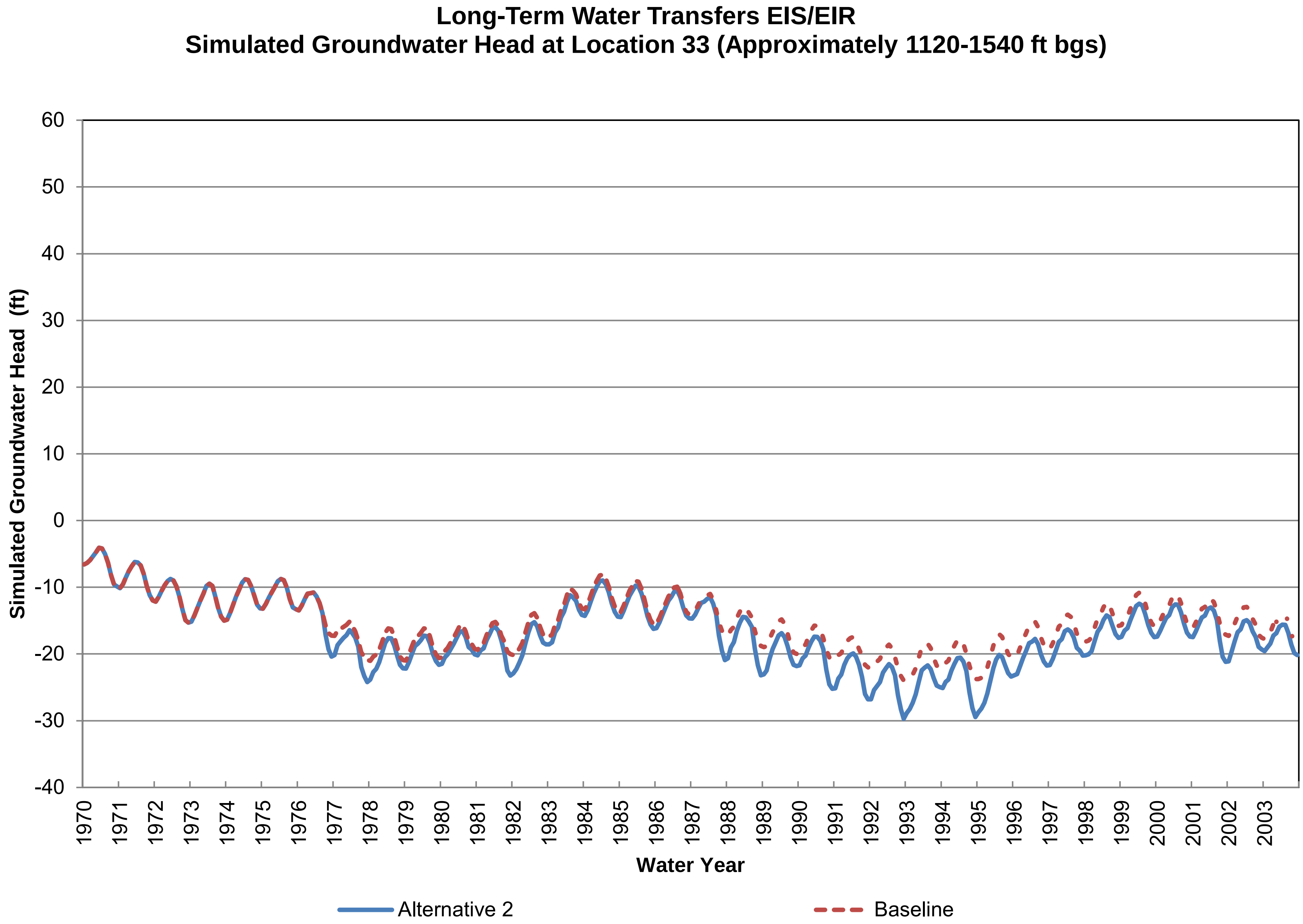
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 33 (Approximately 1120-1540 ft bgs)
Simulated Groundwater Head (ft)
60
50
40
30
20
10
0
-10
-20
-30
-40
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
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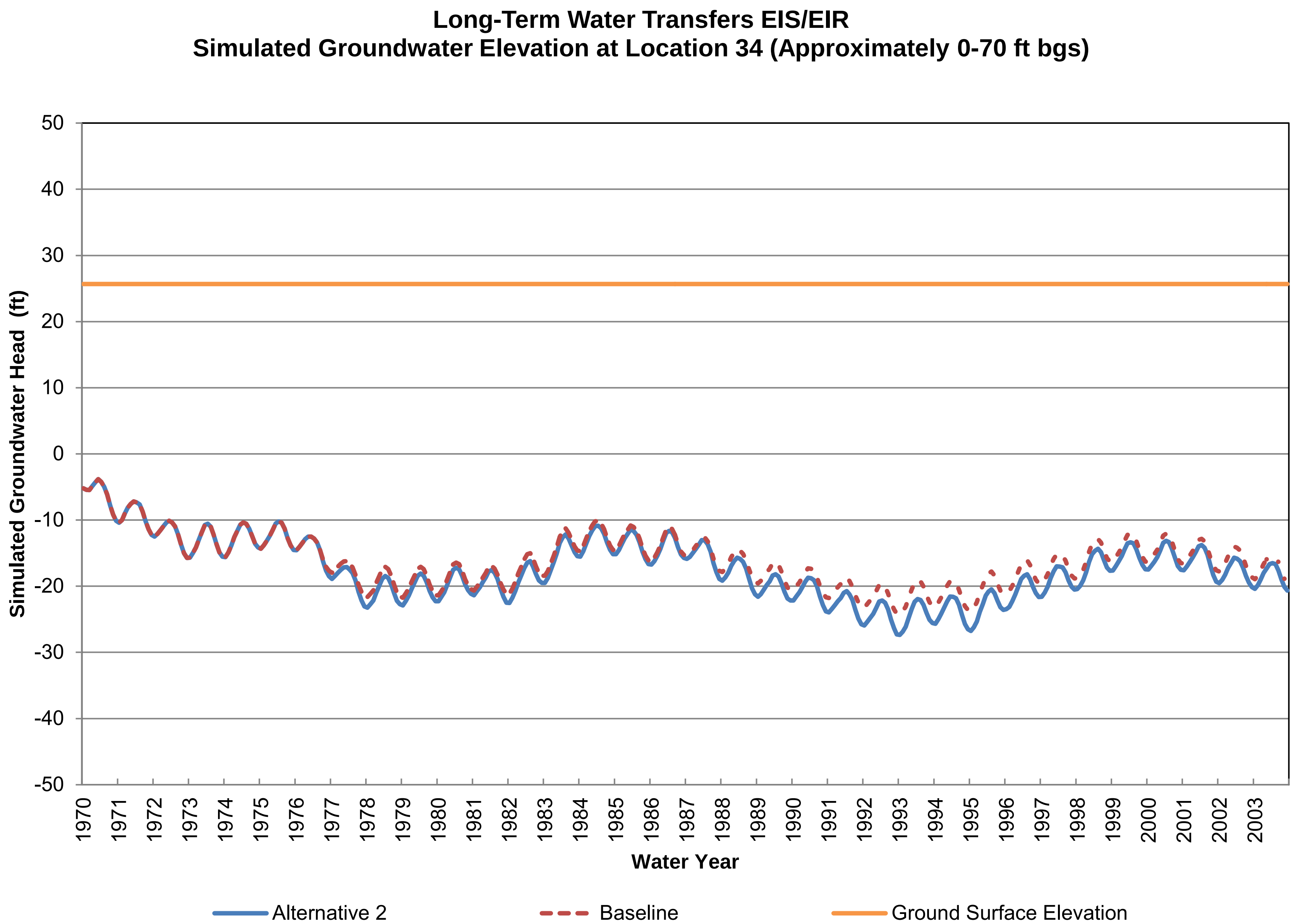
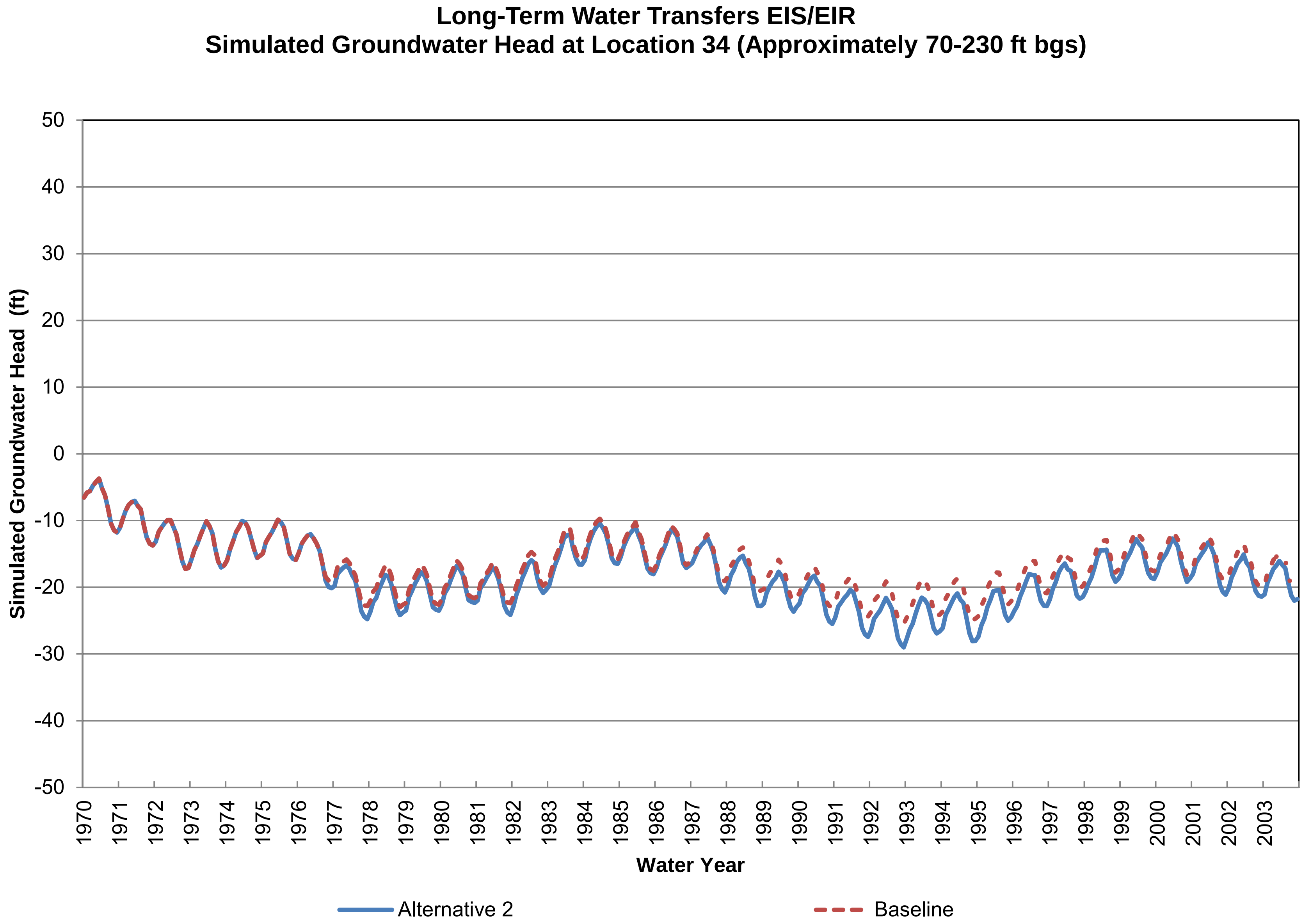
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Elevation at Location 34 (Approximately 0-70 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline
Ground Surface Elevation


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 34 (Approximately 70-230 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
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1983
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1986
1987
1988
1989
1990
1991
1992
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1994
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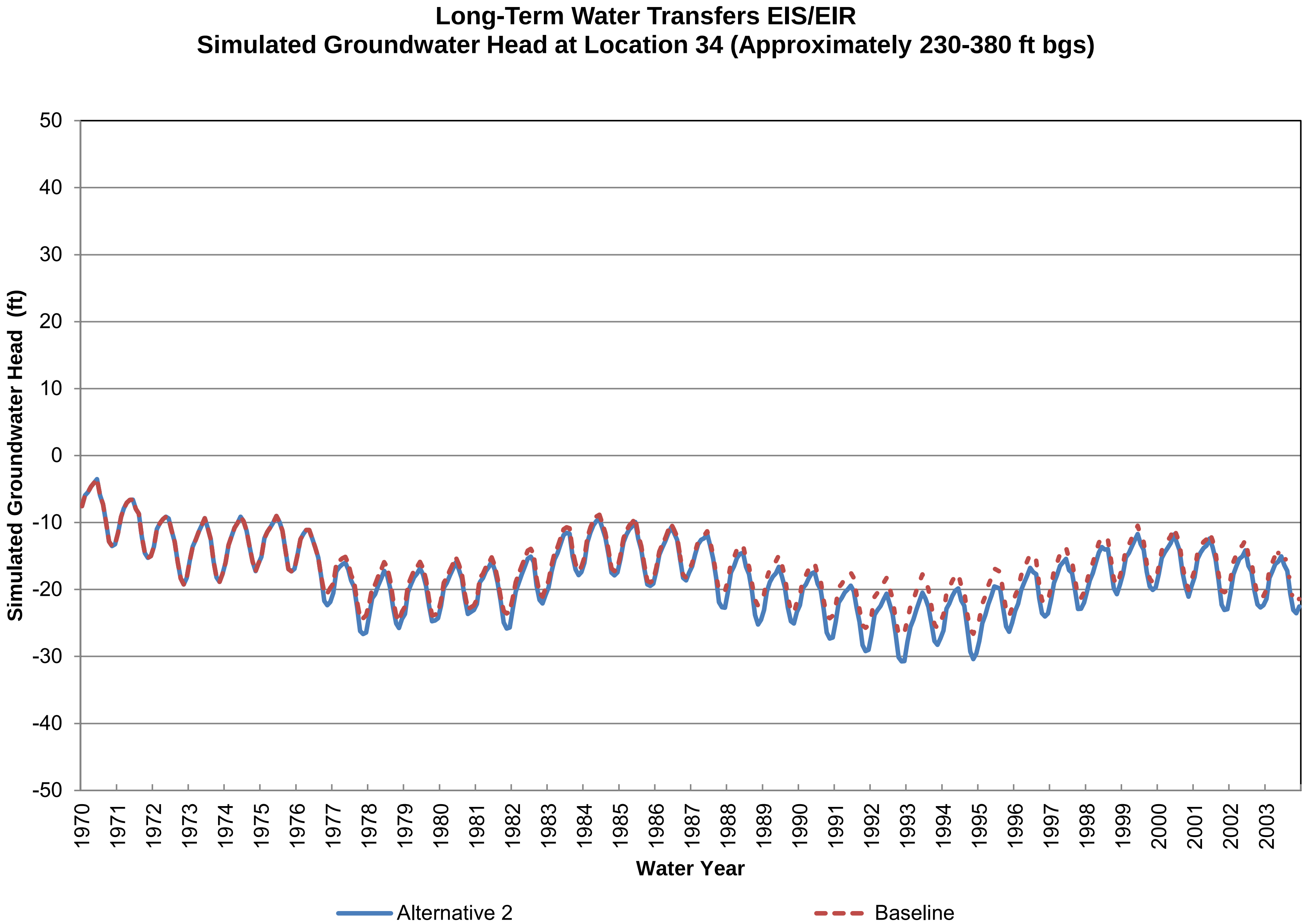
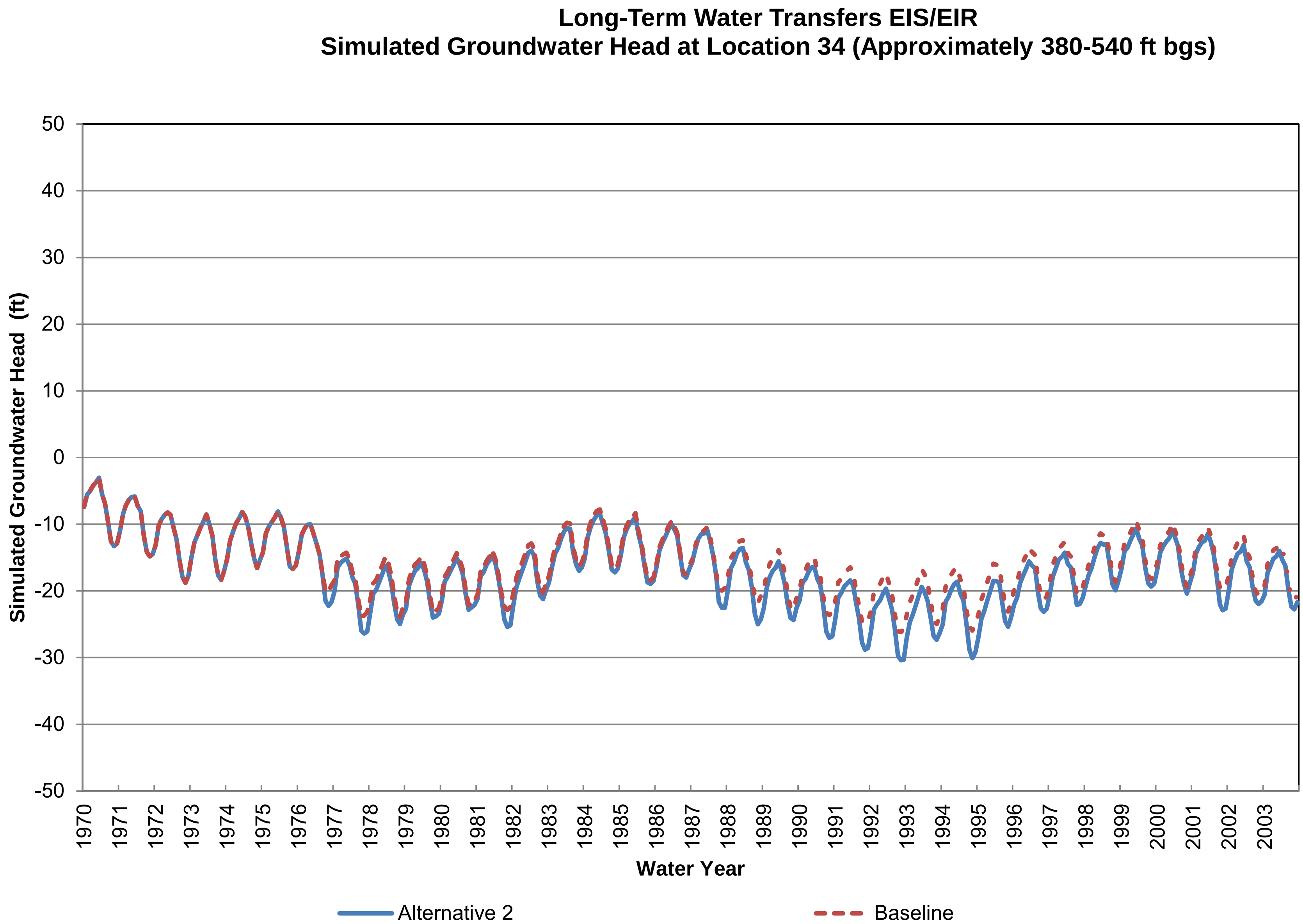
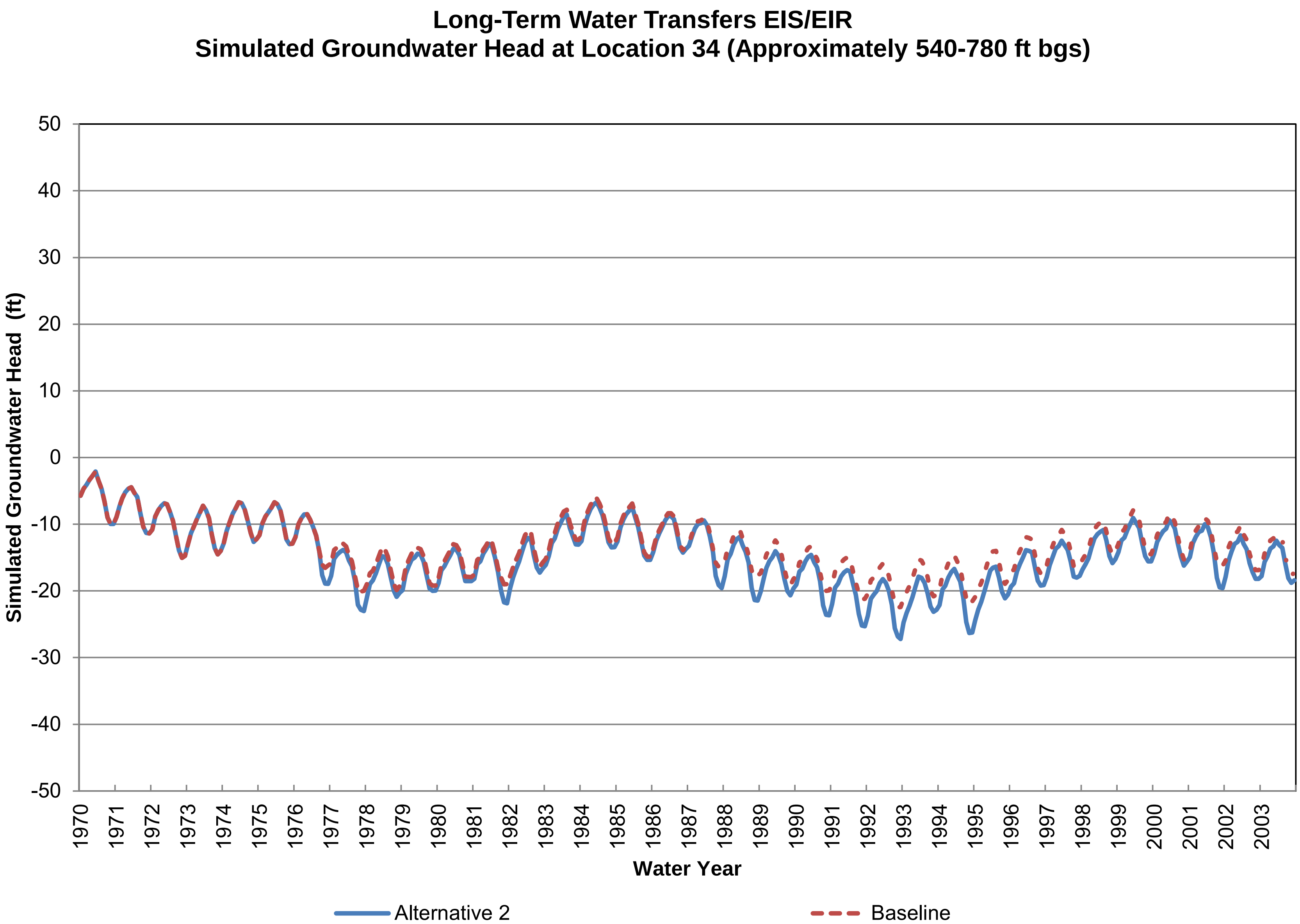
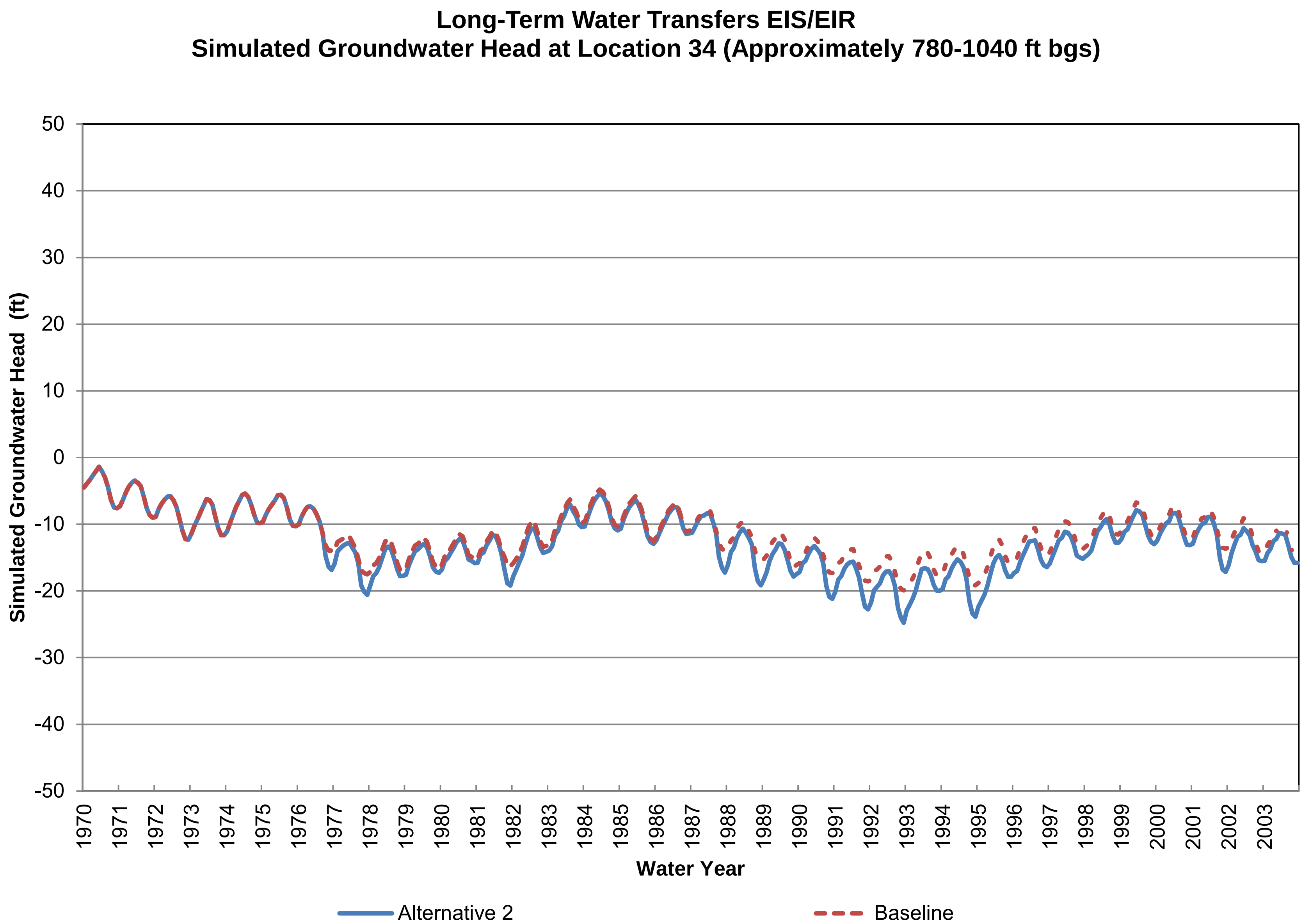
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 34 (Approximately 230-380 ft bgs)
50
40
30
20
10
0
-10
-20
-30
-40
-50
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 34 (Approximately 380-540 ft bgs)
50
40
30
20
10
0
-10
-20
-30
-40
-50
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 34 (Approximately 540-780 ft bgs)
50
40
30
20
10
0
-10
-20
-30
-40
-50
Simulated Groundwater Head (ft)
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 34 (Approximately 780-1040 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
1978
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1980
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1984
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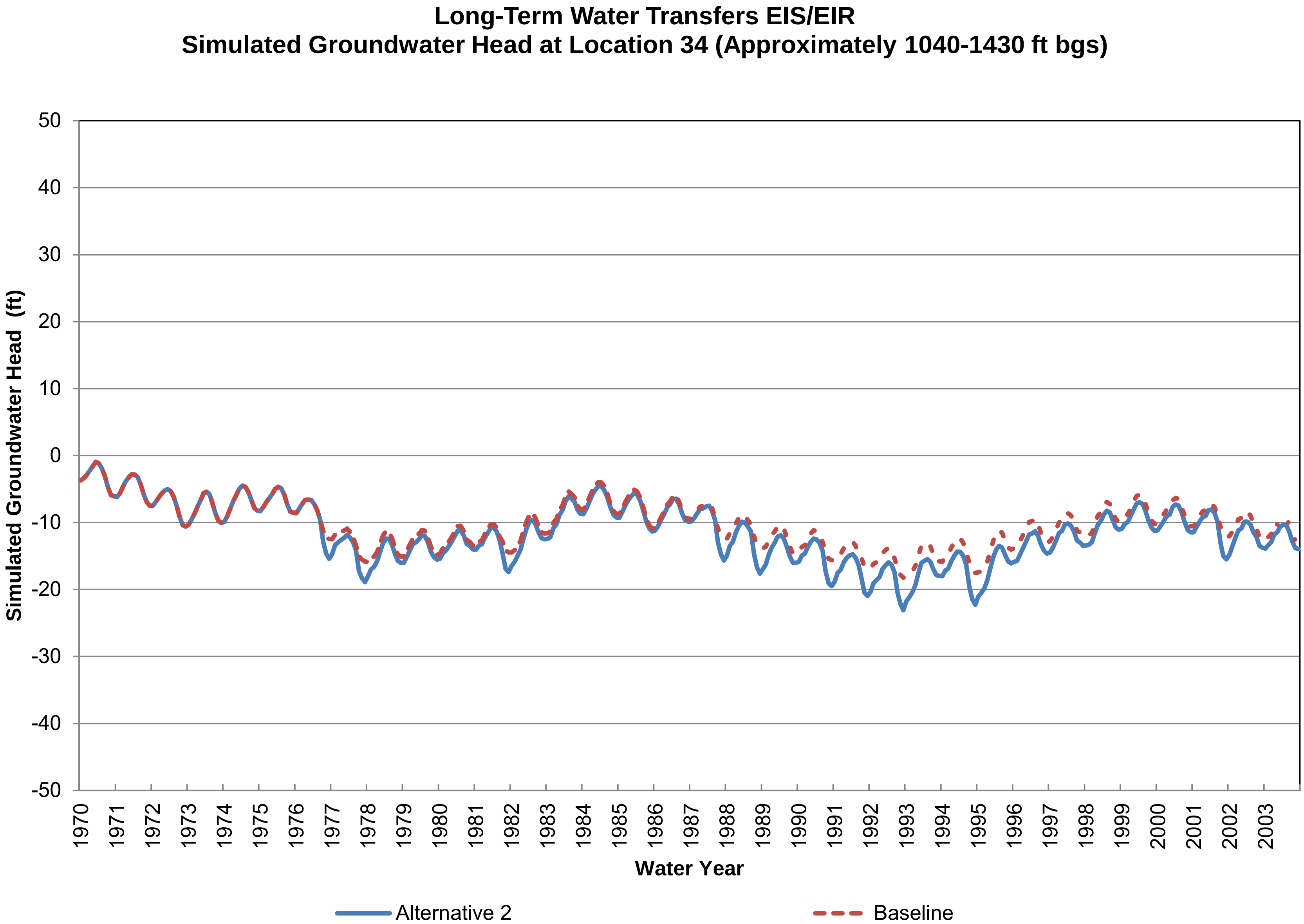
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline


Long-Term Water Transfers EIS/EIR
Simulated Groundwater Head at Location 34 (Approximately 1040-1430 ft bgs)
Simulated Groundwater Head (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-50
1970
1971
1972
1973
1974
1975
1976
1977
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1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
Water Year
Alternative 2
Baseline