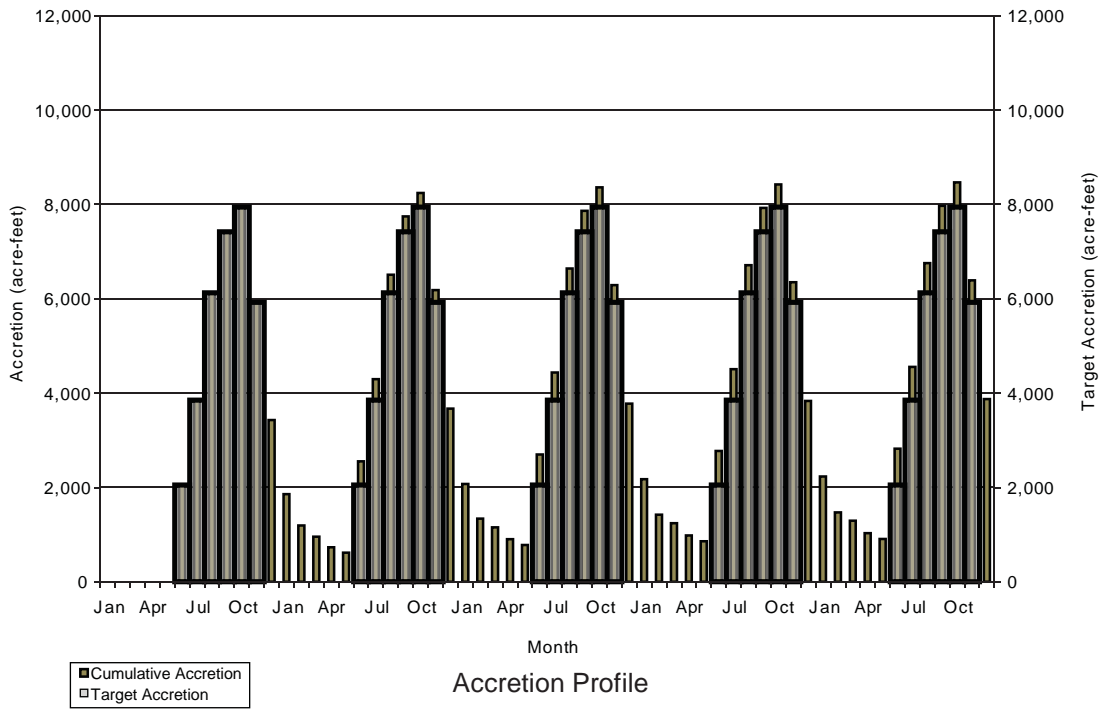
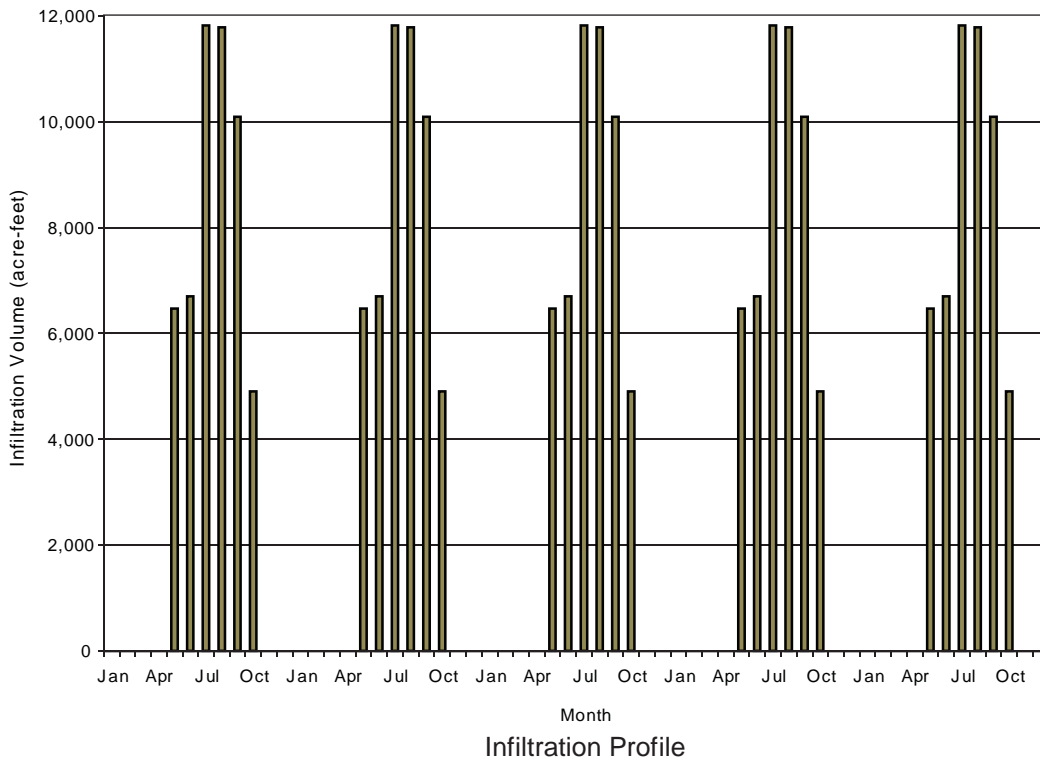


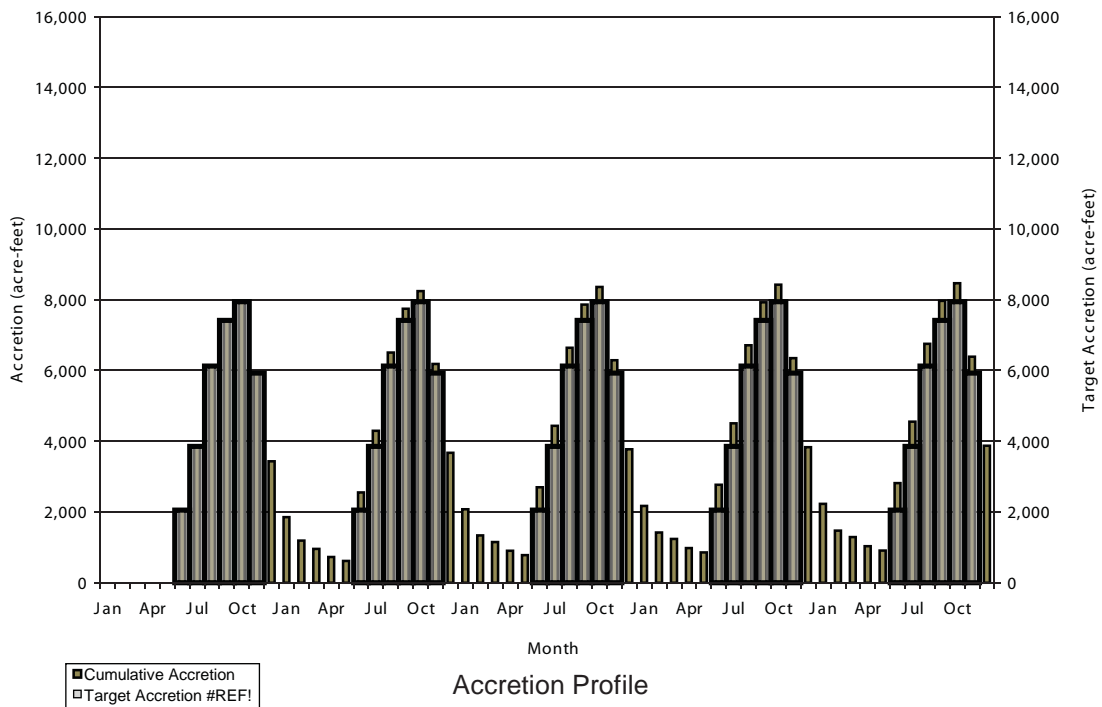
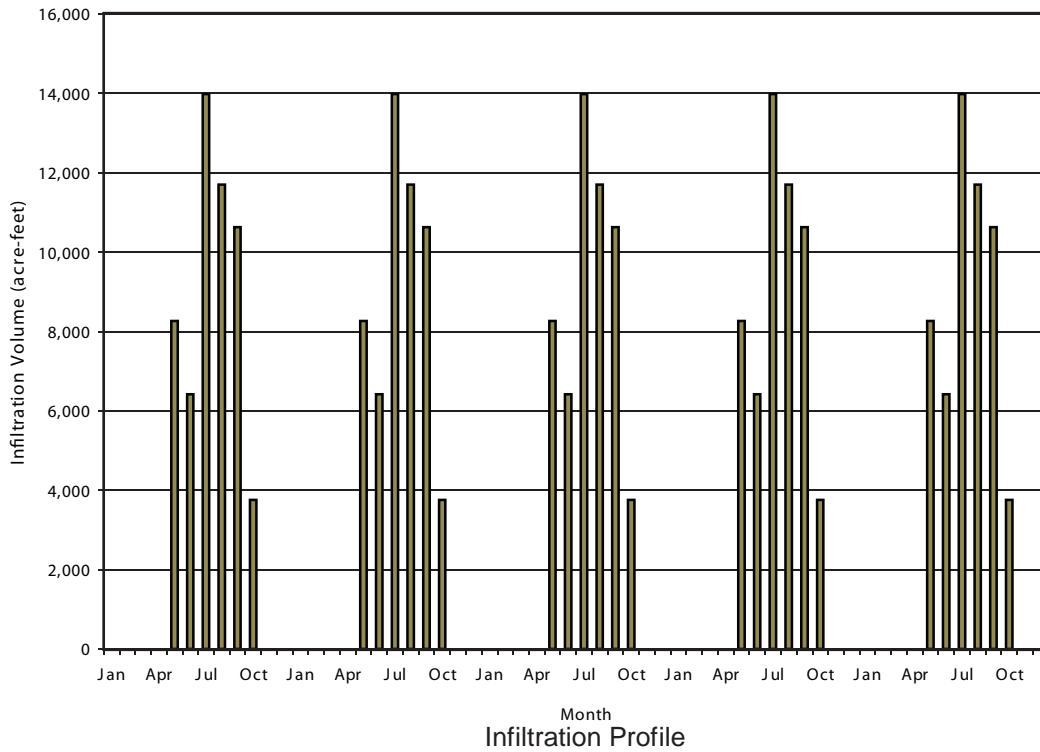
APPENDIX B

- Figure B-1 Cumulative, 5-year Accretion above Parker Gauge SDF = 30 days
- Figure B-2 Cumulative, 5-year Accretion above Parker Gauge SDF = 40 days
- Figure B-3 Cumulative, 5-year Accretion above Parker Gauge SDF = 50 days
- Figure B-4 Cumulative, 5-year Accretion above Parker Gauge SDF = 60 days
- Figure B-5 Cumulative, 5-year Accretion below Parker Gauge SDF = 30 days
- Figure B-6 Cumulative, 5-year Accretion below Parker Gauge SDF = 40 days
- Figure B-7 Cumulative, 5-year Accretion below Parker Gauge SDF = 50 days
- Figure B-8 Cumulative, 5-year Accretion below Parker Gauge SDF = 60 days
- Figure B-9 Relationship between Distance and Thickness Needed to Achieve a Stream Depletion Factor of 30 days
- Figure B-10 Relationship between Distance and Thickness Needed to Achieve a Stream Depletion Factor of 40 days
- Figure B-11 Relationship between Distance and Thickness Needed to Achieve a Stream Depletion Factor of 50 days
- Figure B-12 Relationship between Distance and Thickness Needed to Achieve a Stream Depletion Factor of 60 days



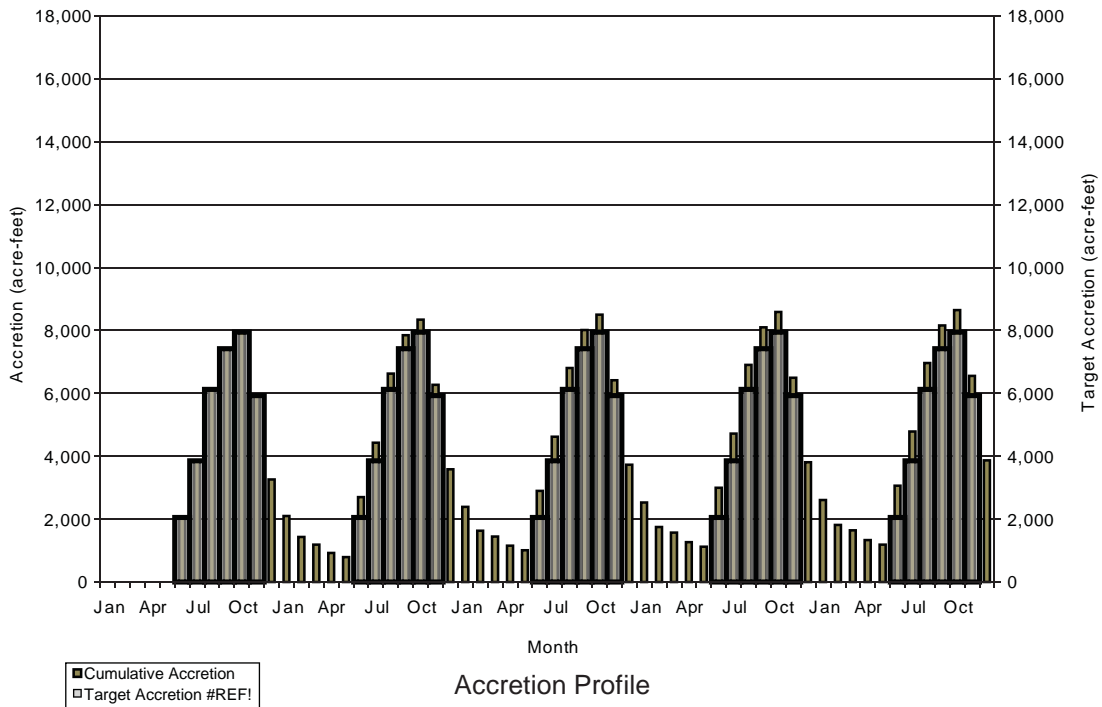
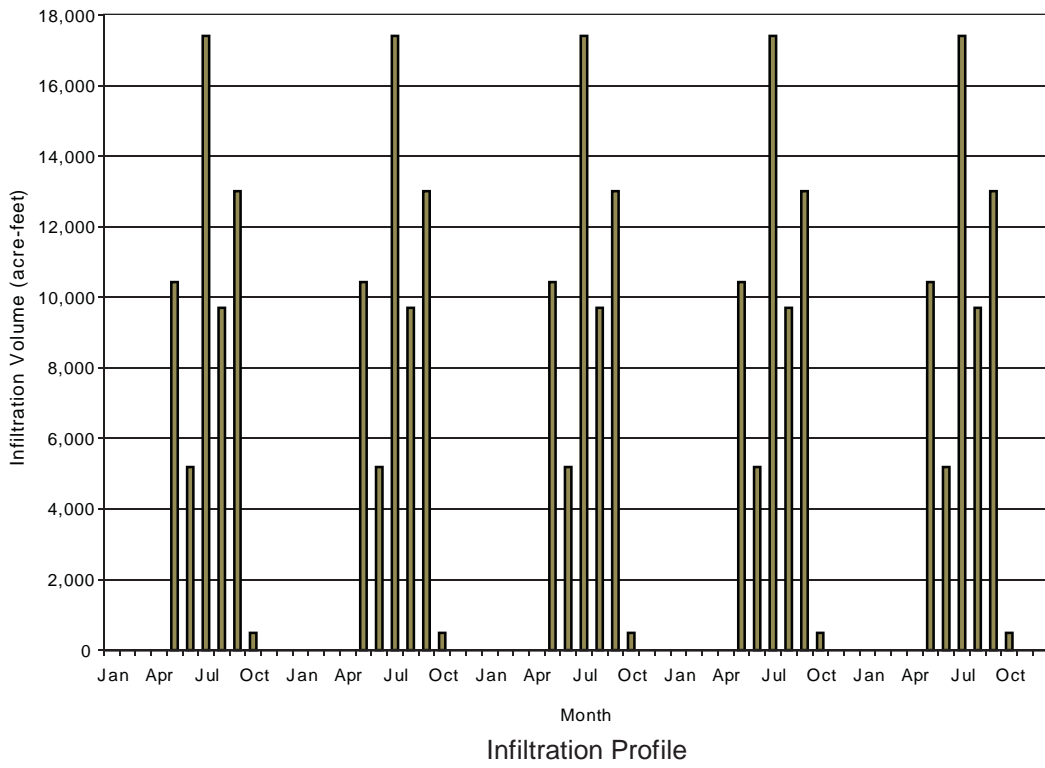
Note:
 The cumulative accretion for each month is composed of the accretion from previous months of infiltration. The carry-over of accretion from one year to another results in the accretion exceeding the target accretion in years 2

FIGURE B-1
FIVE-YEAR INFILTRATION AND CUMULATIVE ACCRETION PROFILES ABOVE PARKER GAUGE WITH A STREAM DEPLETION FACTOR OF 30 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



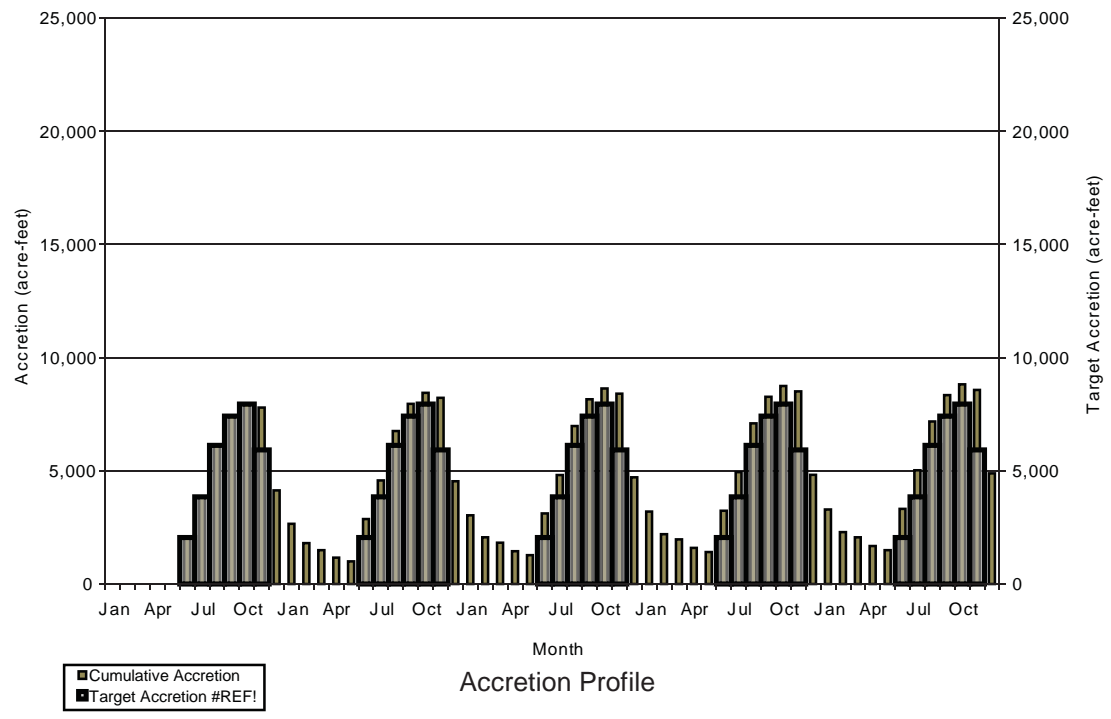
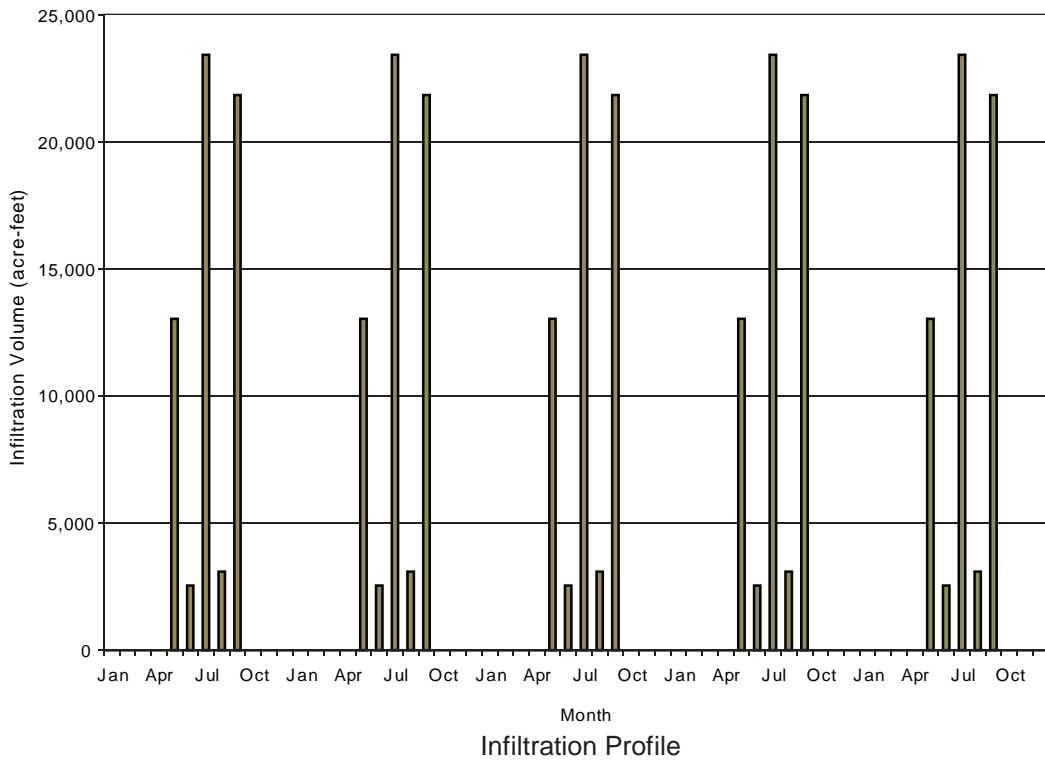
Note:
 The cumulative accretion for each month is composed of the accretion from previous months of infiltration. The carry-over of accretion from one year to another results in the accretion exceeding the target accretion in years 2 through 5.

FIGURE B-2
FIVE-YEAR INFILTRATION AND CUMULATIVE ACCRETION PROFILES ABOVE PARKER GAUGE WITH A STREAM DEPLETION FACTOR OF 40 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



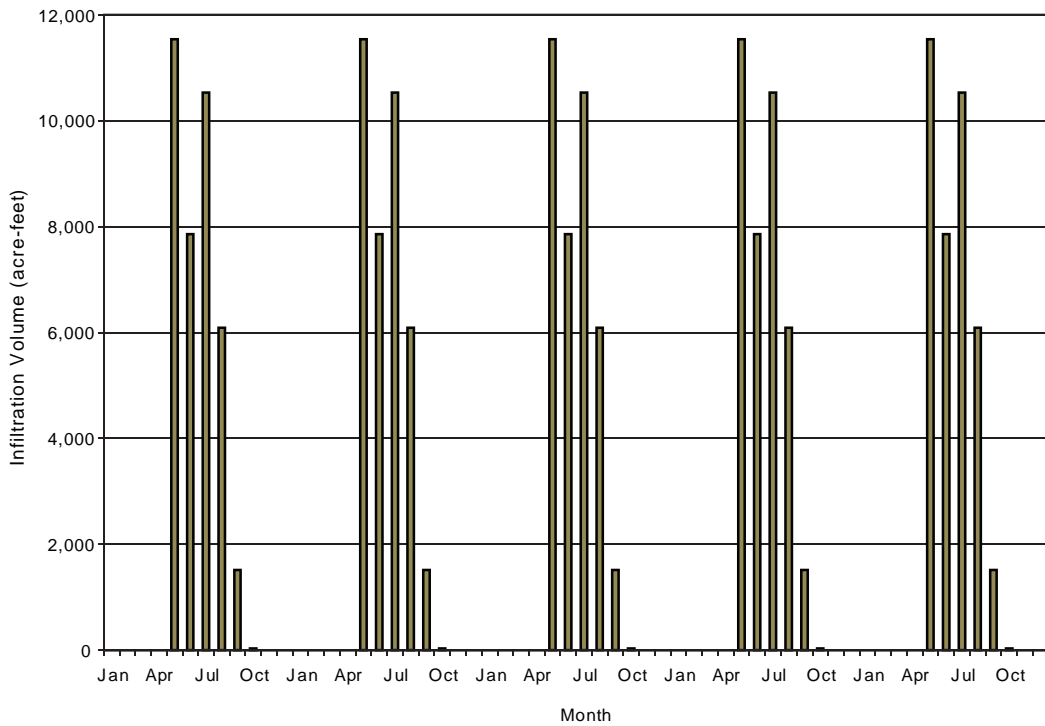
Note:
 The cumulative accretion for each month is composed of the accretion from previous months of infiltration. The carry-over of accretion from one year to another results in the accretion exceeding the target accretion in years 2 through 5.

FIGURE **B-3**
FIVE-YEAR INFILTRATION AND CUMULATIVE ACCRETION PROFILES ABOVE PARKER GAUGE WITH A STREAM DEPLETION FACTOR OF 50 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA

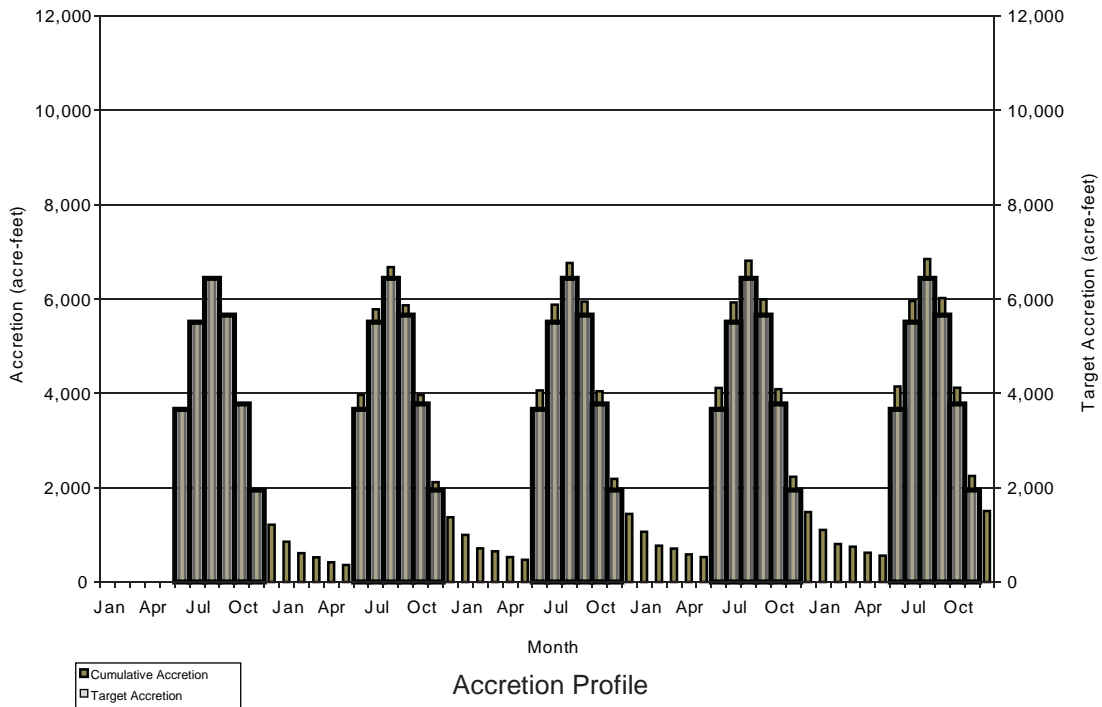


Note:
 The cumulative accretion for each month is composed of the accretion from previous months of infiltration. The carry-over of accretion from one year to another results in the accretion exceeding the target accretion in years 2 through 5.

FIGURE **B-4**
FIVE-YEAR INFILTRATION AND CUMULATIVE ACCRETION PROFILES ABOVE PARKER GAUGE WITH A STREAM DEPLETION FACTOR OF 60 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



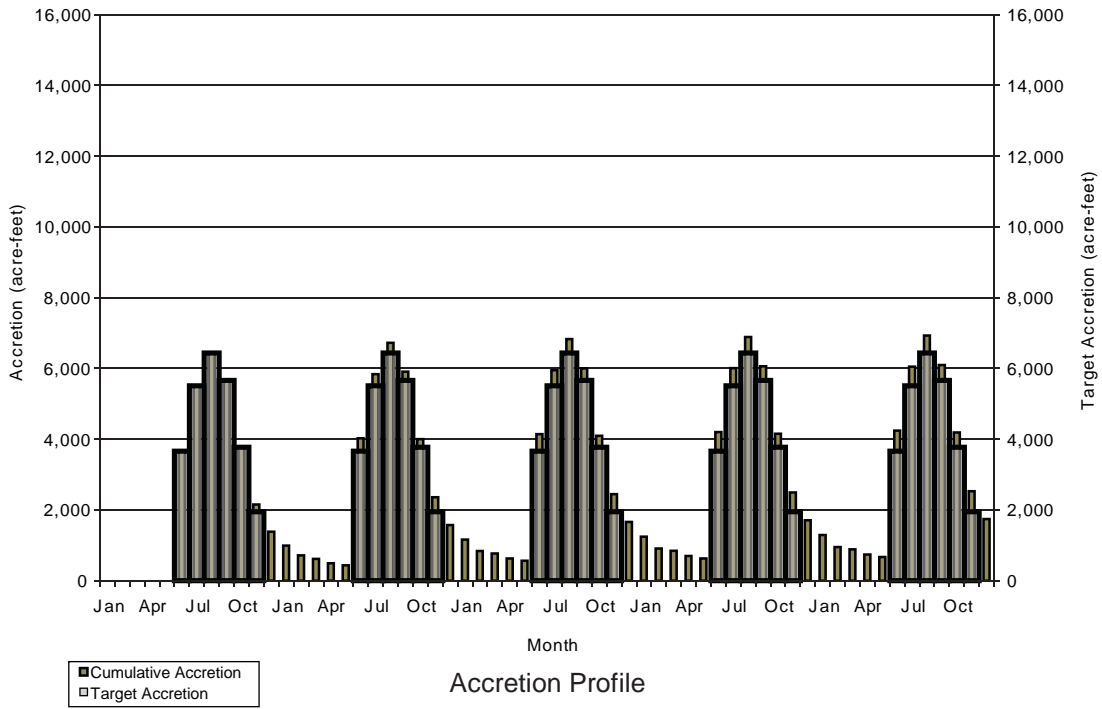
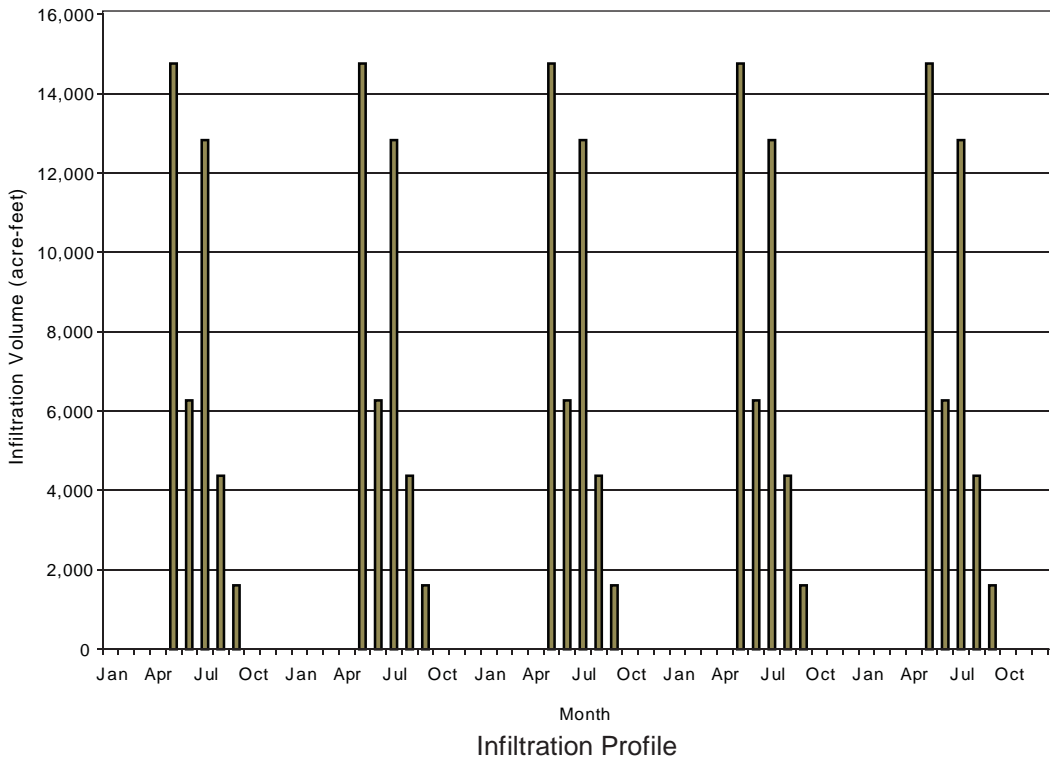
Infiltration Profile



Accretion Profile

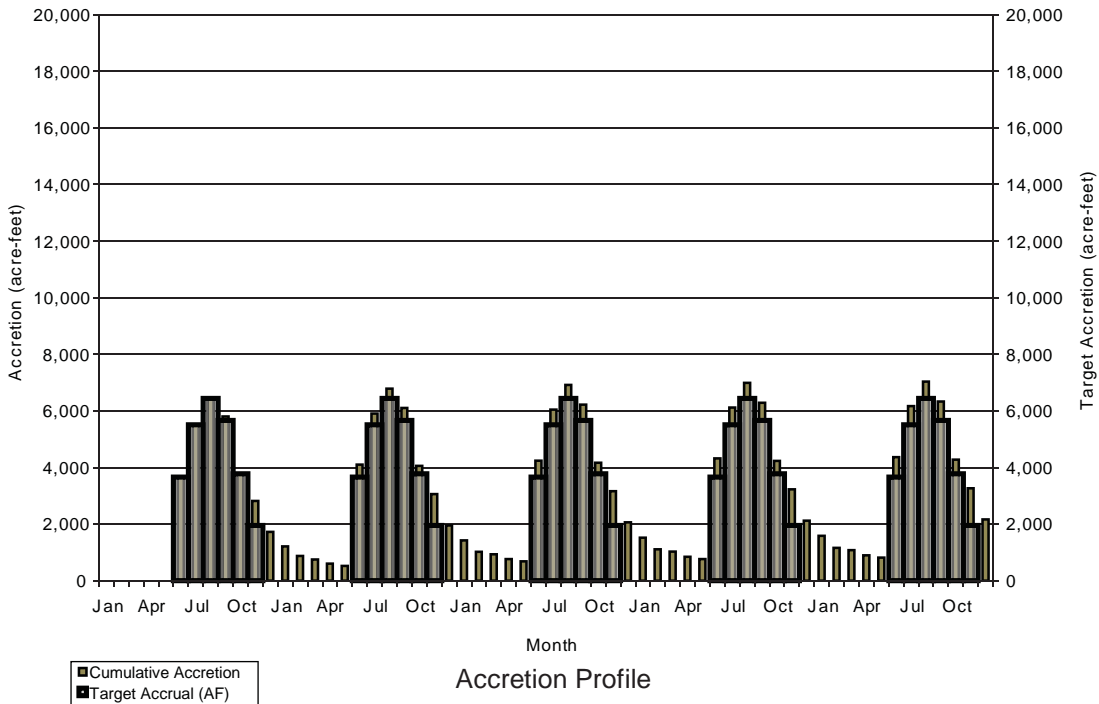
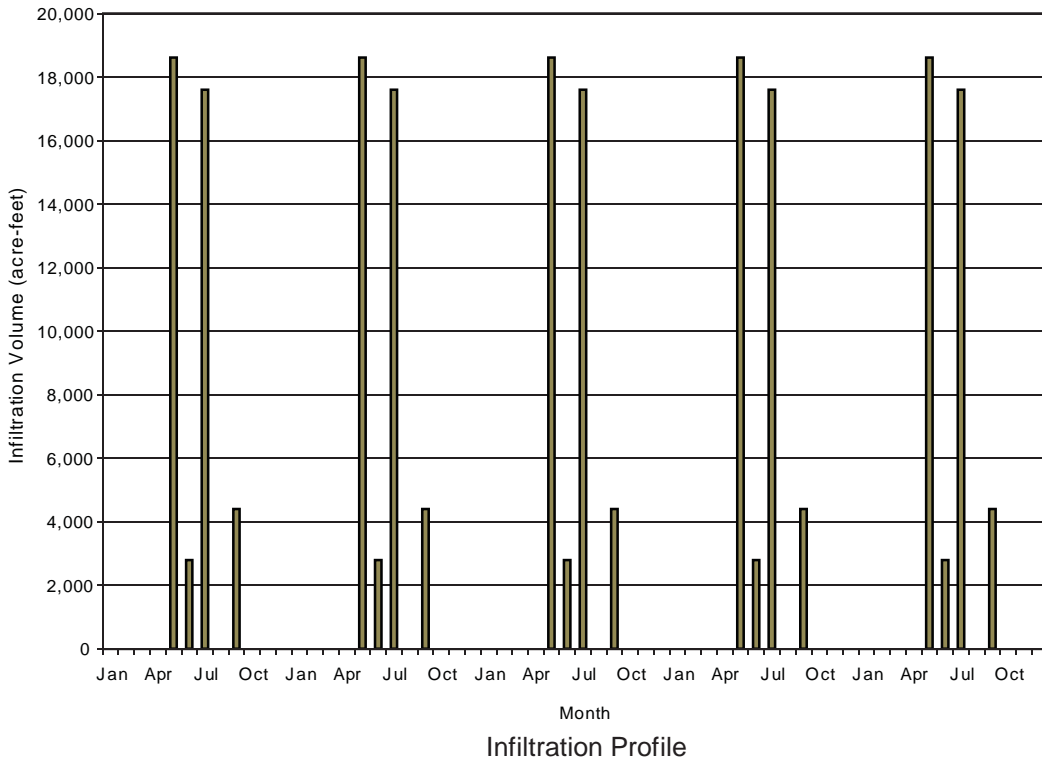
Note:
 The cumulative accretion for each month is composed of the accretion from previous months of infiltration. The carry-over of accretion from one year to another results in the accretion exceeding the target accretion in years 2 through 5.

FIGURE **B-5**
FIVE-YEAR INFILTRATION AND CUMULATIVE ACCRETION PROFILES BELOW PARKER GAUGE WITH A STREAM DEPLETION FACTOR OF 30 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



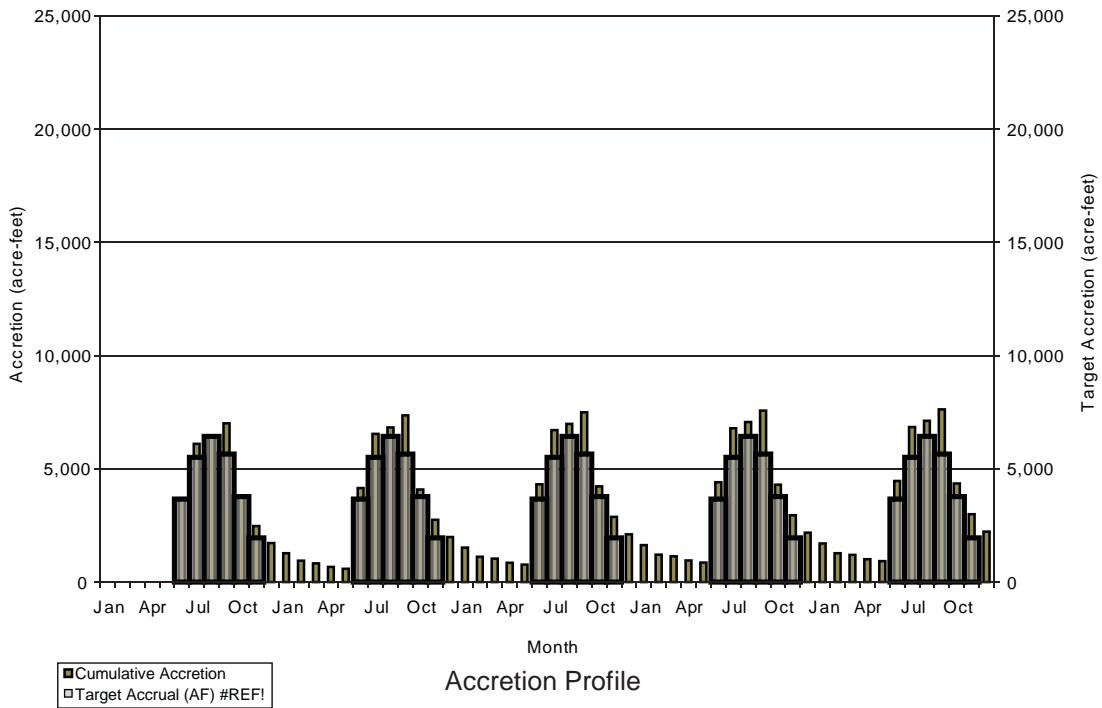
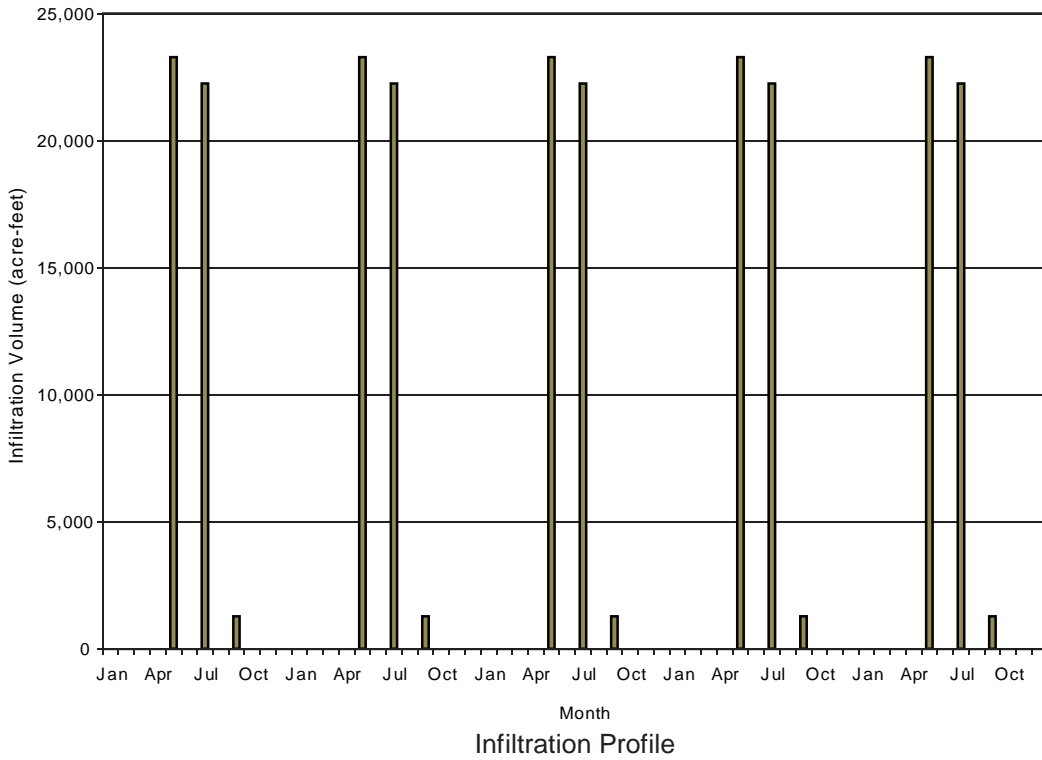
Note:
 The cumulative accretion for each month is composed of the accretion from previous months of infiltration. The carry-over of accretion from one year to another results in the accretion exceeding the target accretion in years 2 through 5.

FIGURE **B-6**
FIVE-YEAR INFILTRATION AND CUMULATIVE ACCRETION PROFILES BELOW PARKER GAUGE WITH A STREAM DEPLETION FACTOR OF 40 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



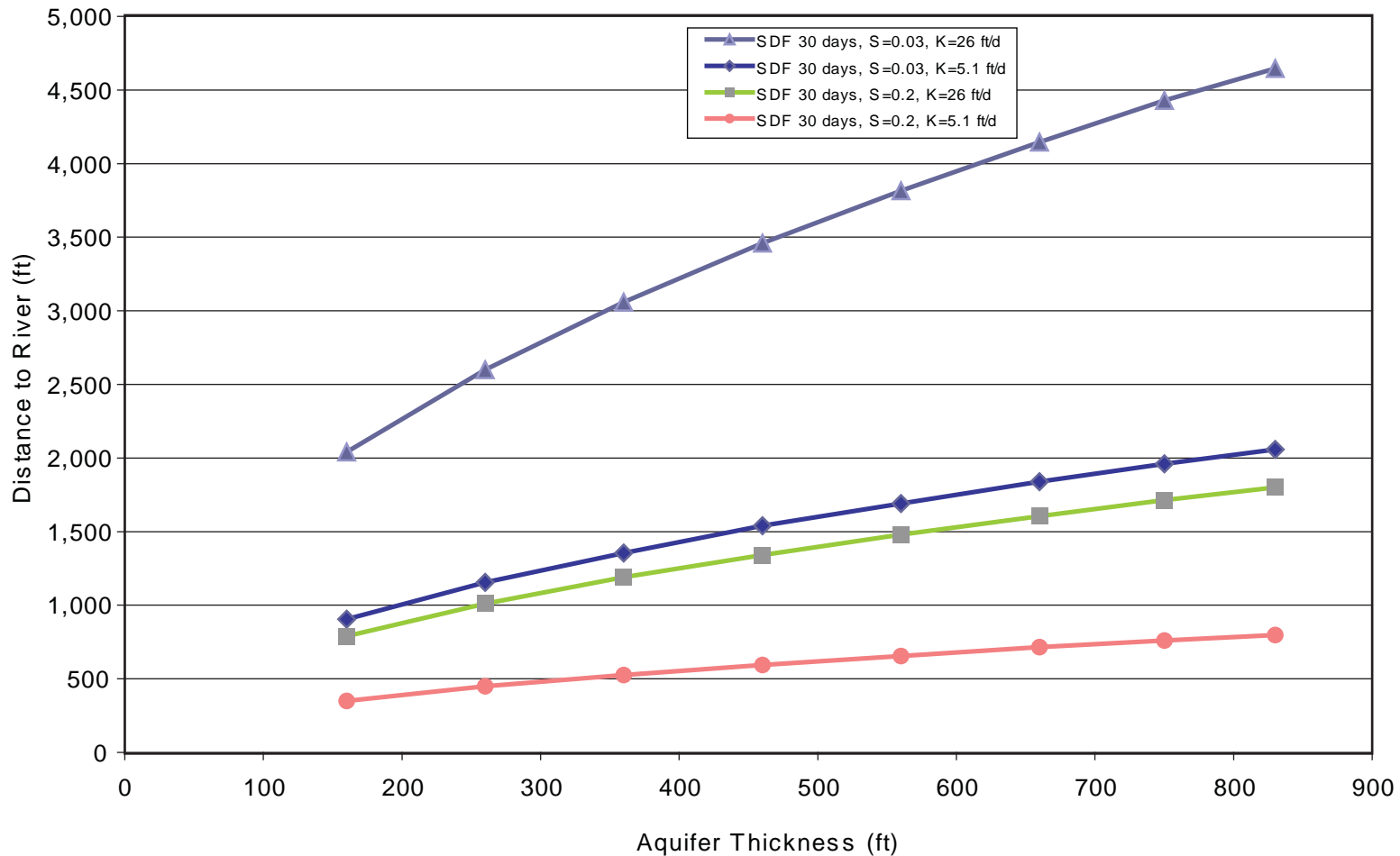
Note:
 The cumulative accretion for each month is composed of the accretion from previous months of infiltration. The carry-over of accretion from one year to another results in the accretion exceeding the target accretion in years 2 through 5.

FIGURE **B-7**
FIVE-YEAR INFILTRATION AND CUMULATIVE ACCRETION PROFILES BELOW PARKER GAUGE WITH A STREAM DEPLETION FACTOR OF 50 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



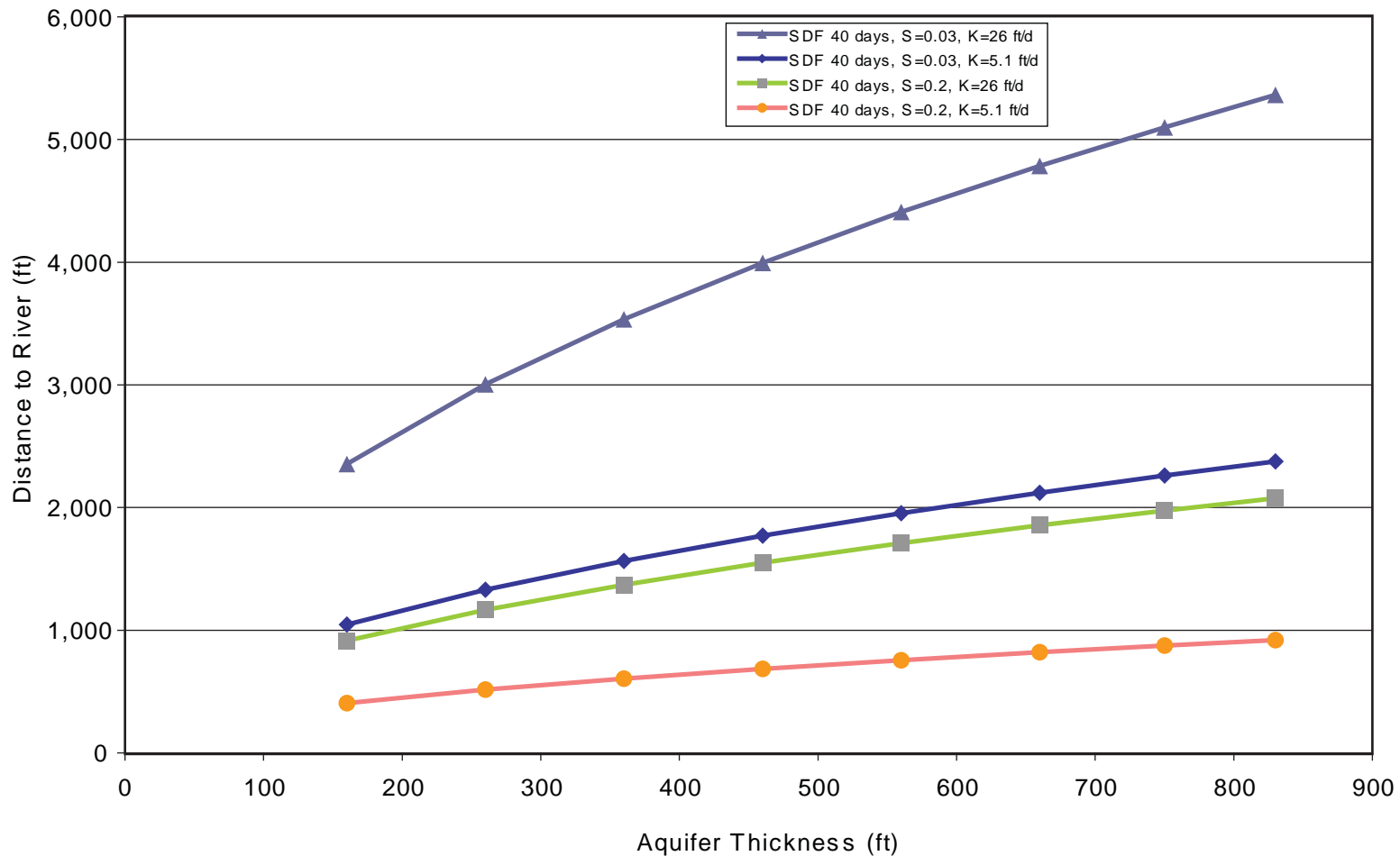
Note:
 The cumulative accretion for each month is composed of the accretion from previous months of infiltration. The carry-over of accretion from one year to another results in the accretion exceeding the target accretion in years 2 through 5.

FIGURE B-8
FIVE-YEAR INFILTRATION AND CUMULATIVE ACCRETION PROFILES BELOW PARKER GAUGE WITH A STREAM DEPLETION FACTOR OF 60 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



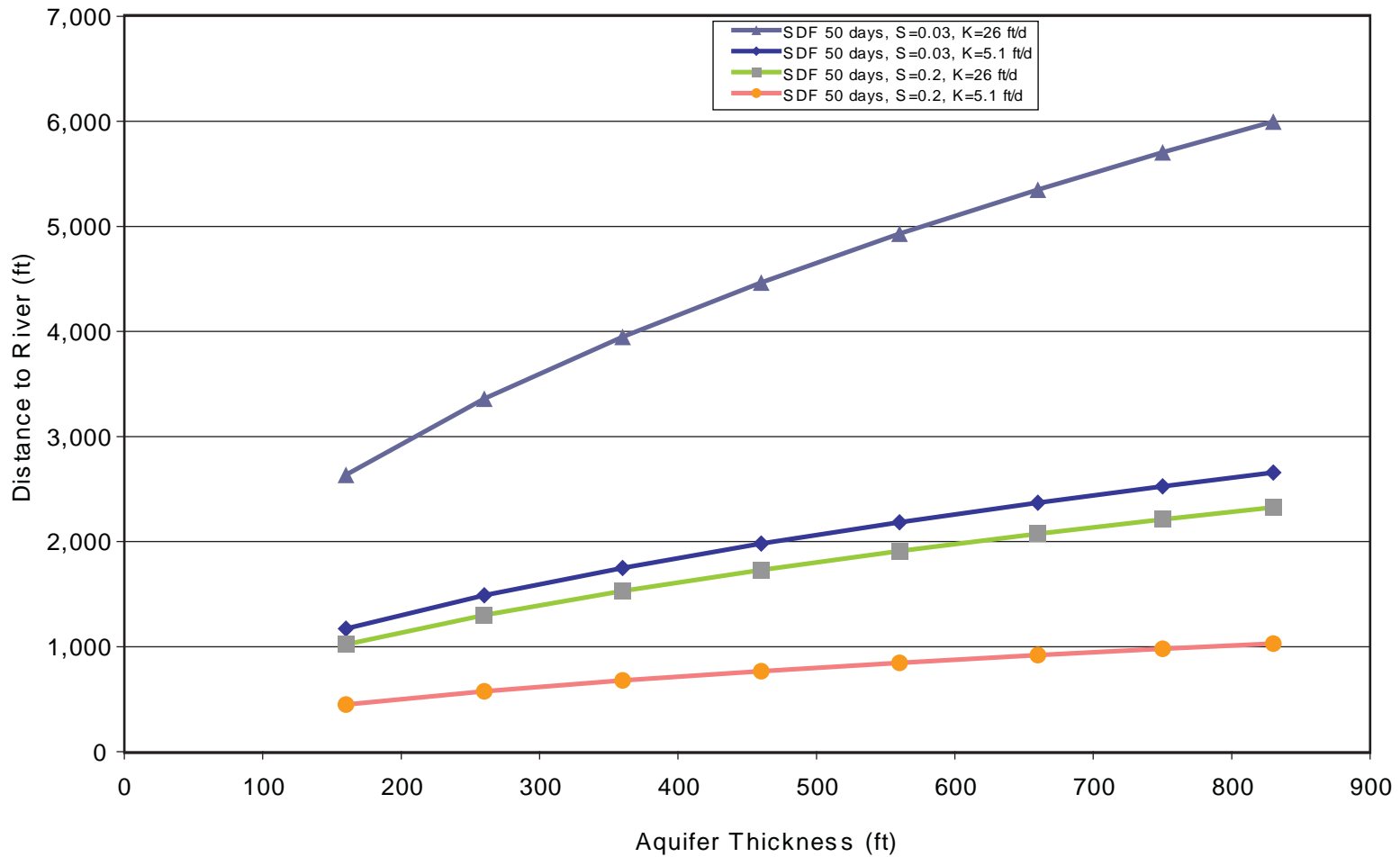
Note:
 SDF = stream depletion factor; ft/d = feet per day
 1. The stream depletion factor determines the timing and volume of stream accretion from a infiltration pond. The stream depletion factor is a function of aquifer properties (transmissivity and specific yield) and distance from the stream. These lines capture the relationship between aquifer thickness and distance from the stream within the range of aquifer properties in the Yakima Basin that would result in a stream depletion factor of 30 days.

FIGURE **B-9**
RELATIONSHIP BETWEEN DISTANCE AND THICKNESS NEEDED TO ACHIEVE A STREAM DEPLETION FACTOR OF 30 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



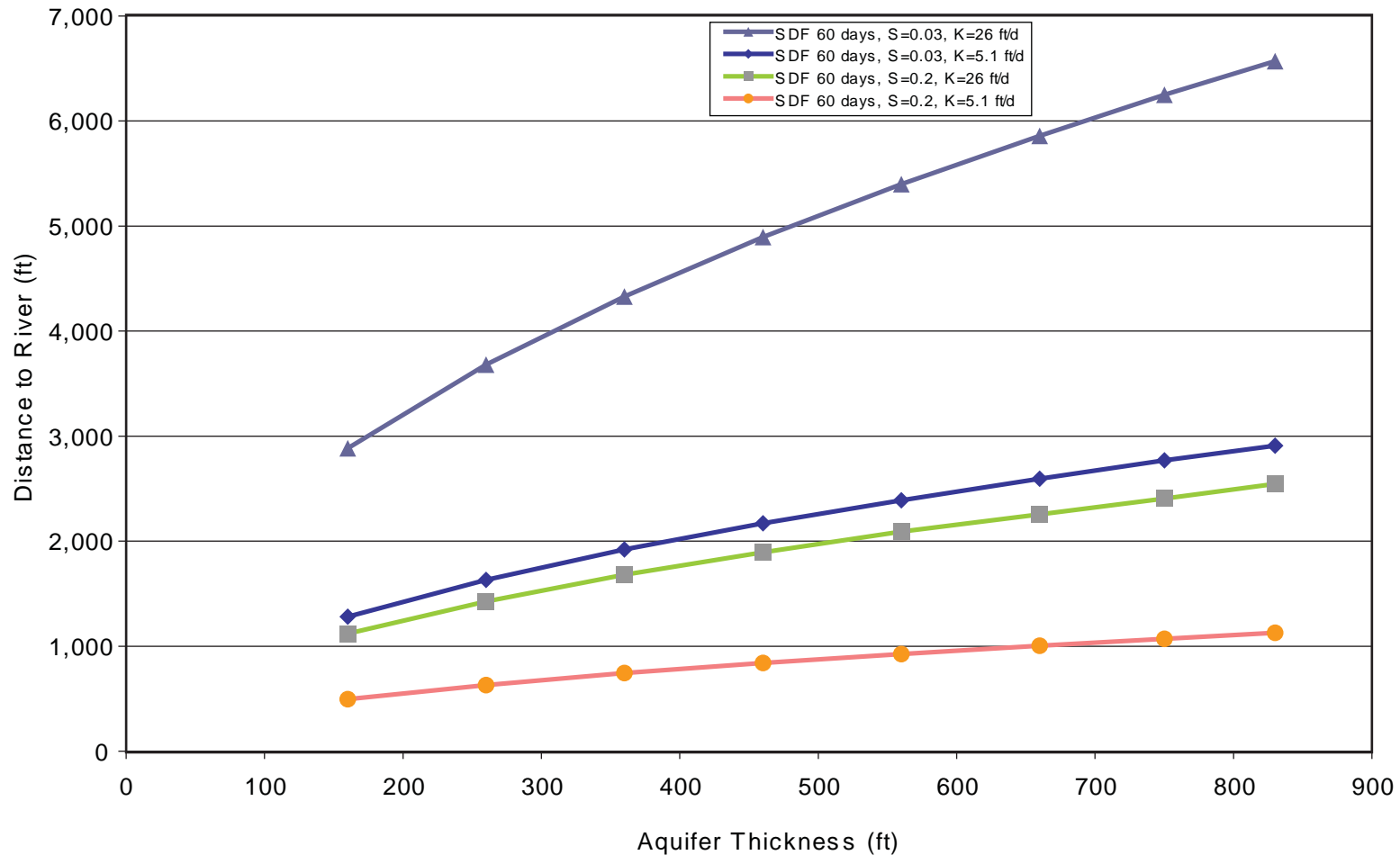
Note:
 SDF = stream depletion factor; ft/d = feet per day
 1. The stream depletion factor determines the timing and volume of stream accretion from a infiltration pond. The stream depletion factor is a function of aquifer properties (transmissivity and specific yield) and distance from the stream. These lines capture the relationship between aquifer thickness and distance from the stream within the range of aquifer properties in the Yakima Basin that would result in a stream depletion factor of 30 days.

FIGURE **B-10**
RELATIONSHIP BETWEEN DISTANCE AND THICKNESS NEEDED TO ACHIEVE A STREAM DEPLETION FACTOR OF 40 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



Note:
 SDF = stream depletion factor; ft/d = feet per day
 1. The stream depletion factor determines the timing and volume of stream accretion from an infiltration pond. The stream depletion factor is a function of aquifer properties (transmissivity and specific yield) and distance from the stream. These lines capture the relationship between aquifer thickness and distance from the stream within the range of aquifer properties in the Yakima Basin that would result in a stream depletion factor of 30 days.

FIGURE **B-11**
RELATIONSHIP BETWEEN DISTANCE AND THICKNESS NEEDED TO ACHIEVE A STREAM DEPLETION FACTOR OF 50 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA



Note:
 SDF = stream depletion factor; ft/d = feet per day
 1. The stream depletion factor determines the timing and volume of stream accretion from an infiltration pond. The stream depletion factor is a function of aquifer properties (transmissivity and specific yield) and distance from the stream. These lines capture the relationship between aquifer thickness and distance from the stream within the range of aquifer properties in the Yakima Basin that would result in a stream depletion factor of 30 days.

FIGURE **B-12**
RELATIONSHIP BETWEEN DISTANCE AND THICKNESS NEEDED TO ACHIEVE A STREAM DEPLETION FACTOR OF 60 DAYS
 ANCHOR/YAKIMA RVR BASIN STORAGE/WA