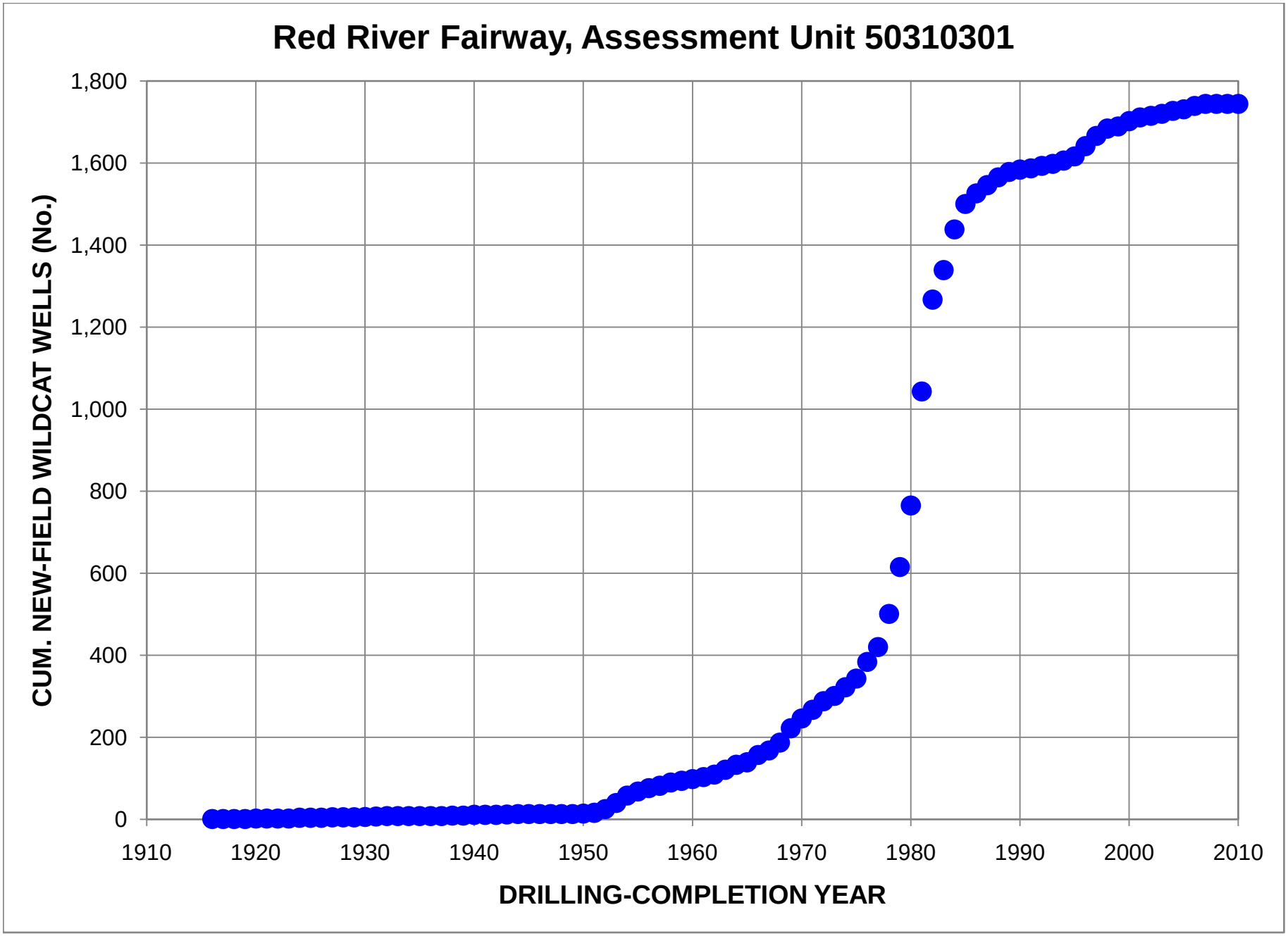
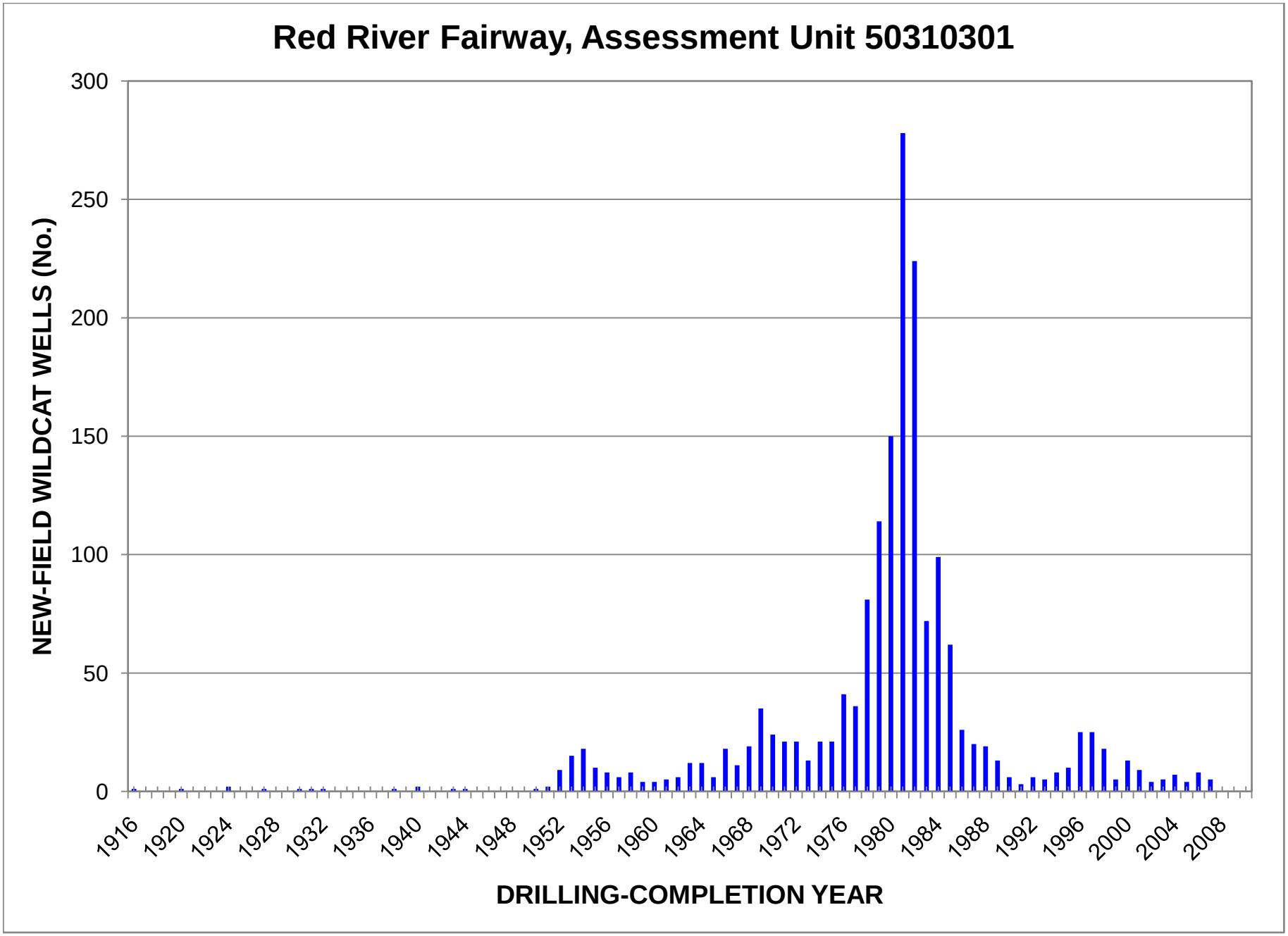
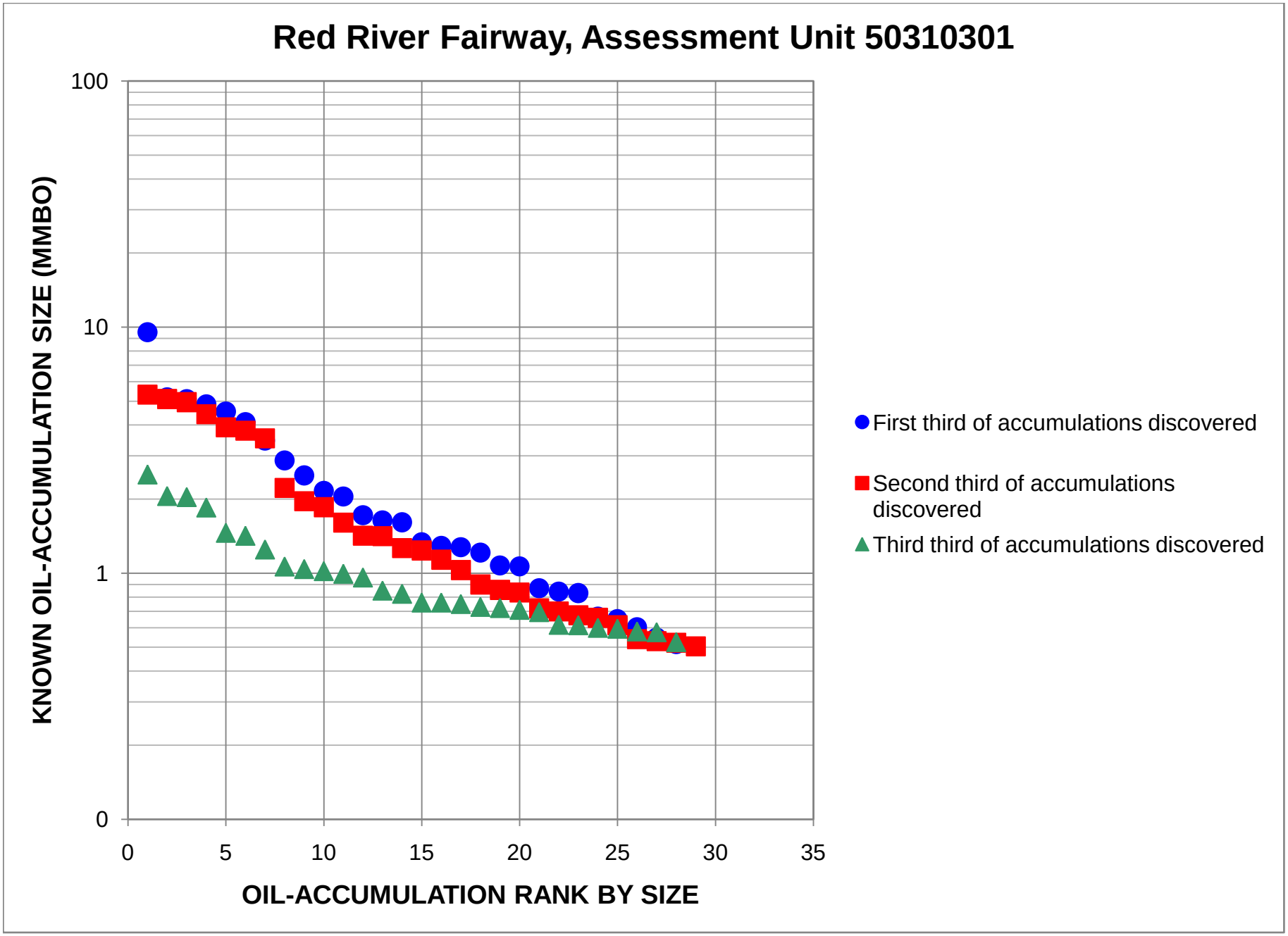
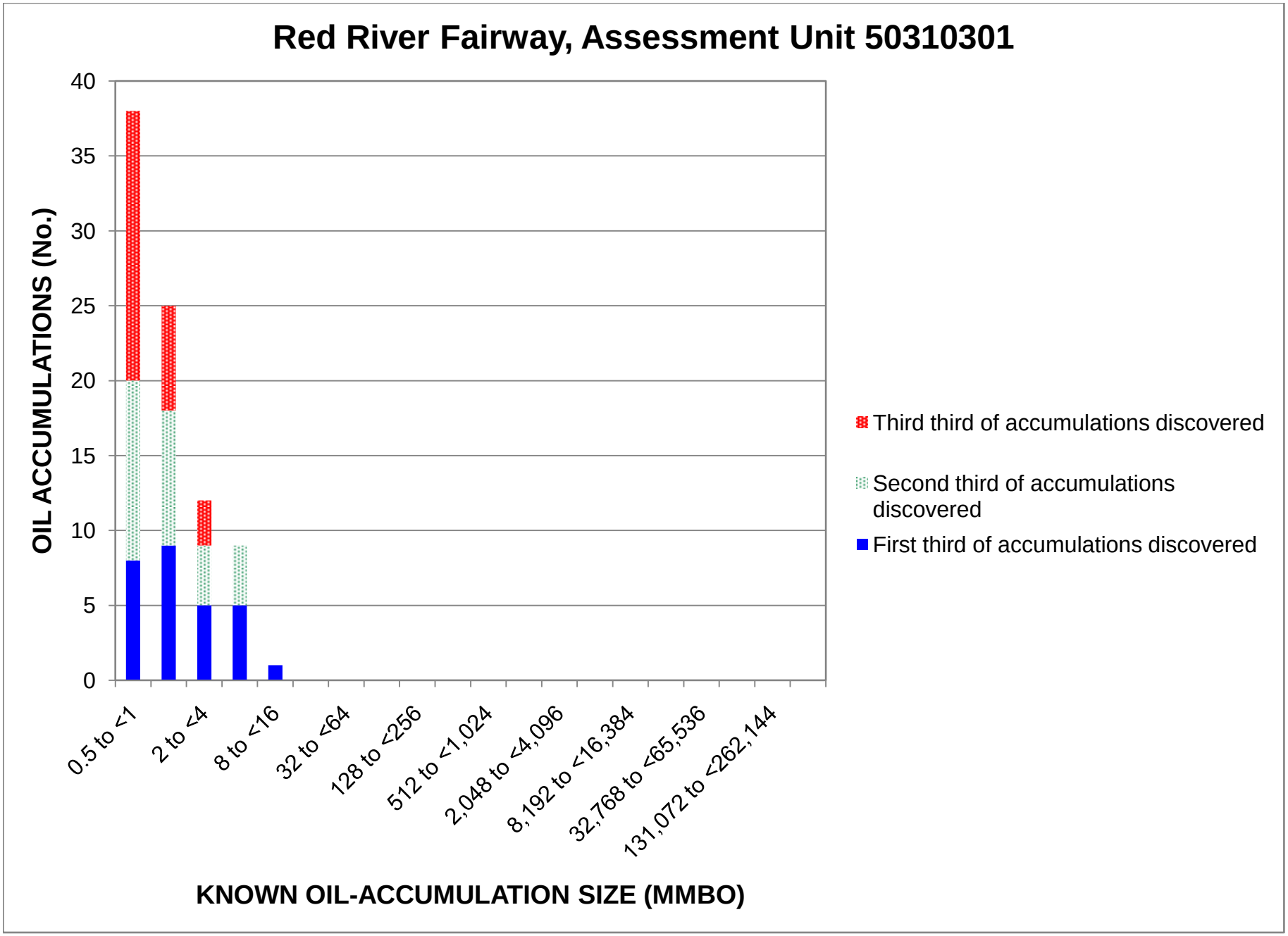
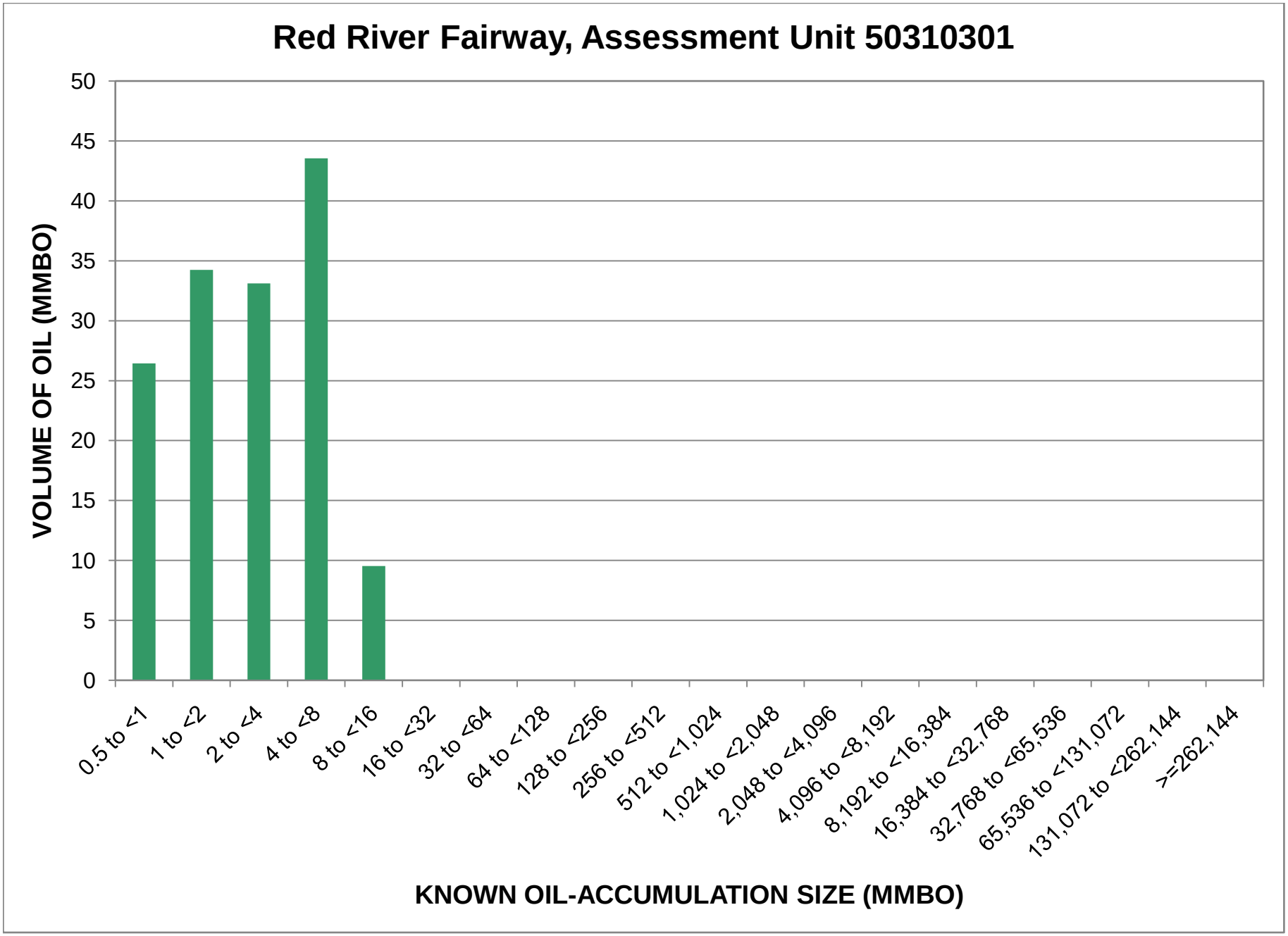
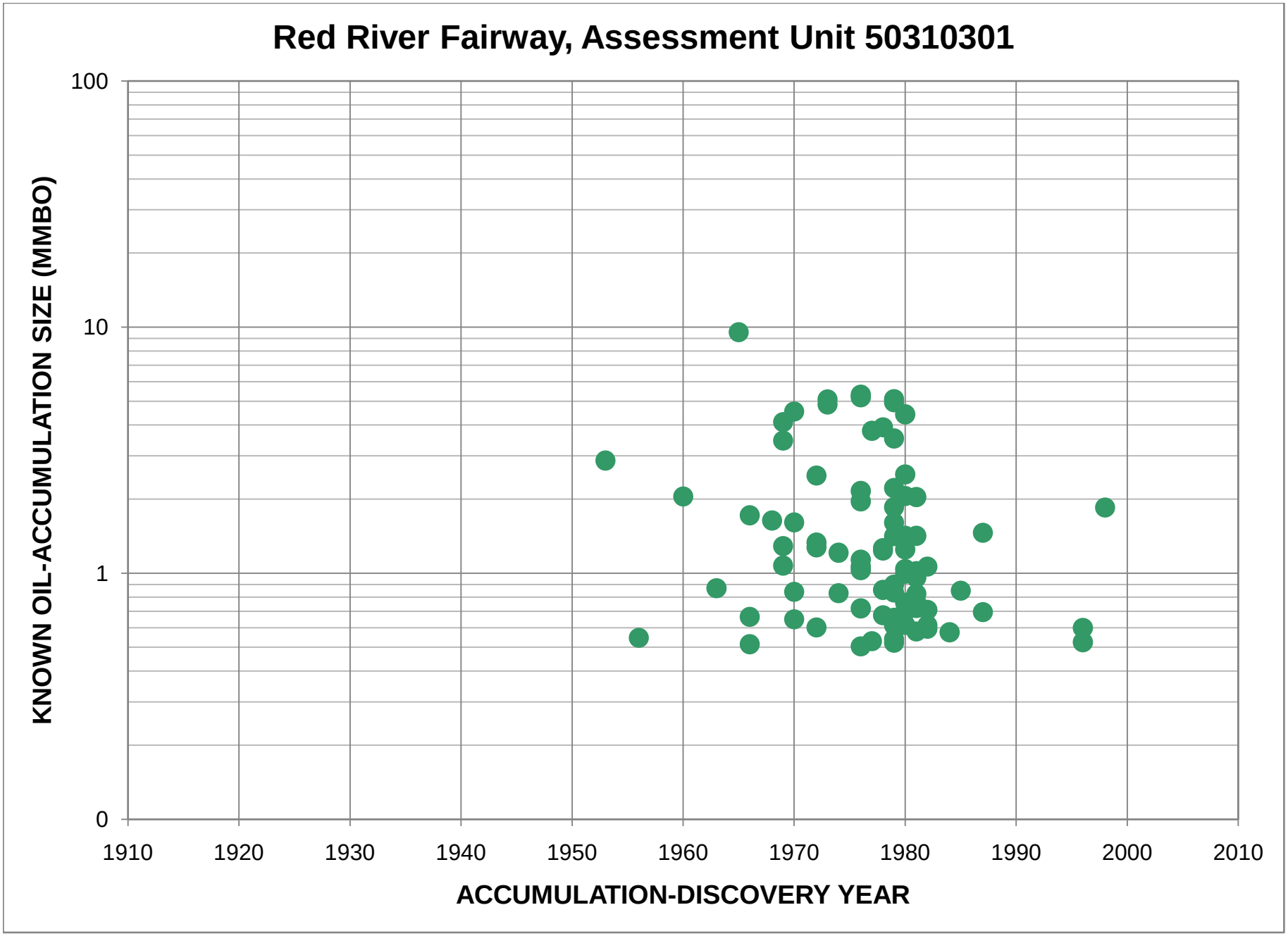

Red River Fairway, Assessment Unit 50310301
CUM. NEW-FIELD WILDCAT WELLS (No.)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
DRILLING-COMPLETION YEAR

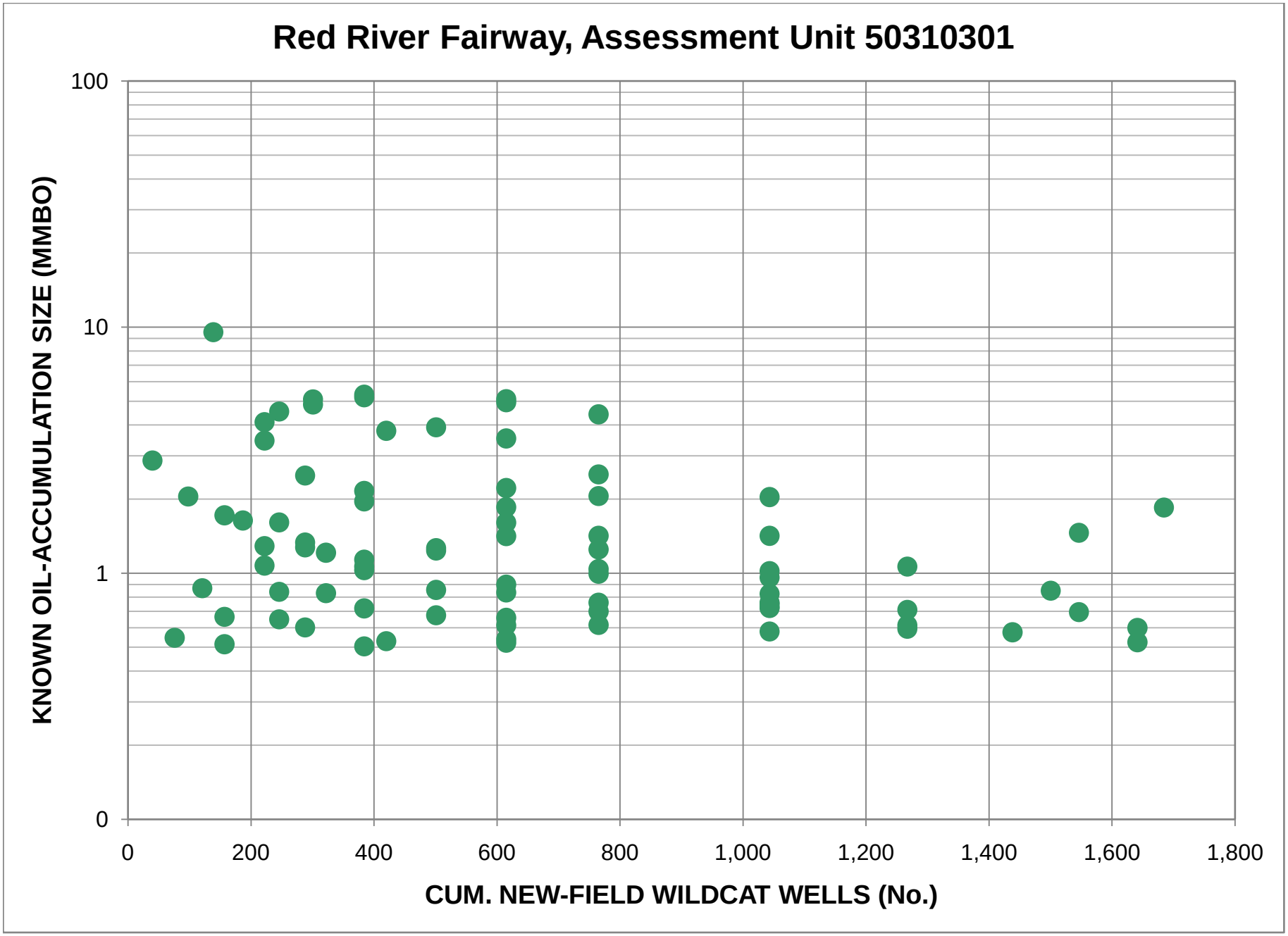

Red River Fairway, Assessment Unit 50310301
NEW-FIELD WILDCAT WELLS (No.)
300
250
200
150
100
50
0
1916
1920
1924
1928
1932
1936
1940
1944
1948
1952
1956
1960
1964
1968
1972
1976
1980
1984
1988
1992
1996
2000
2004
2008
DRILLING-COMPLETION YEAR

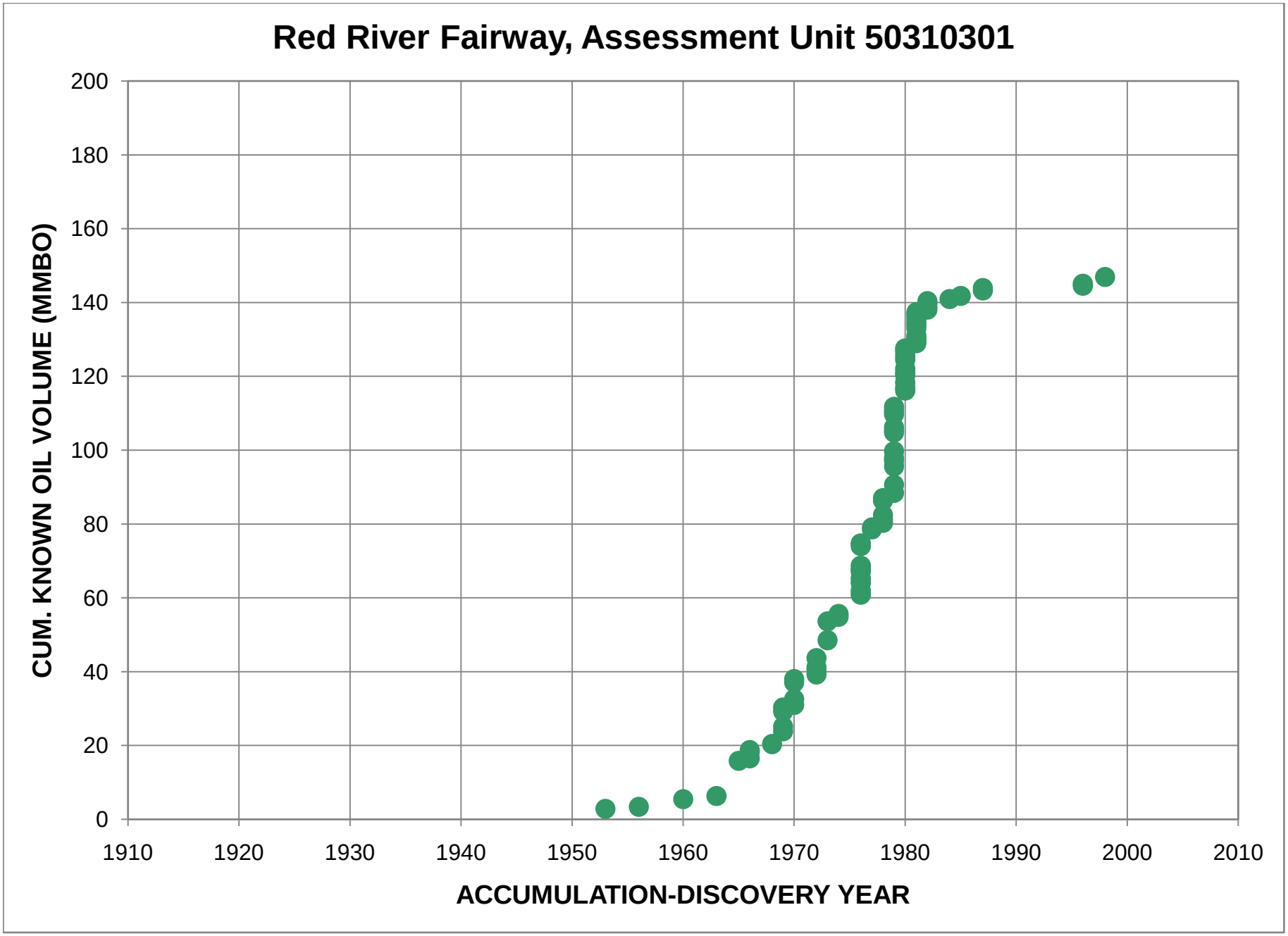

Red River Fairway, Assessment Unit 50310301
KNOWN OIL-ACCUMULATION SIZE (MMBO)
100
10
1
0
0
5
10
15
20
25
30
35
OIL-ACCUMULATION RANK BY SIZE
First third of accumulations discovered
Second third of accumulations discovered
Third third of accumulations discovered

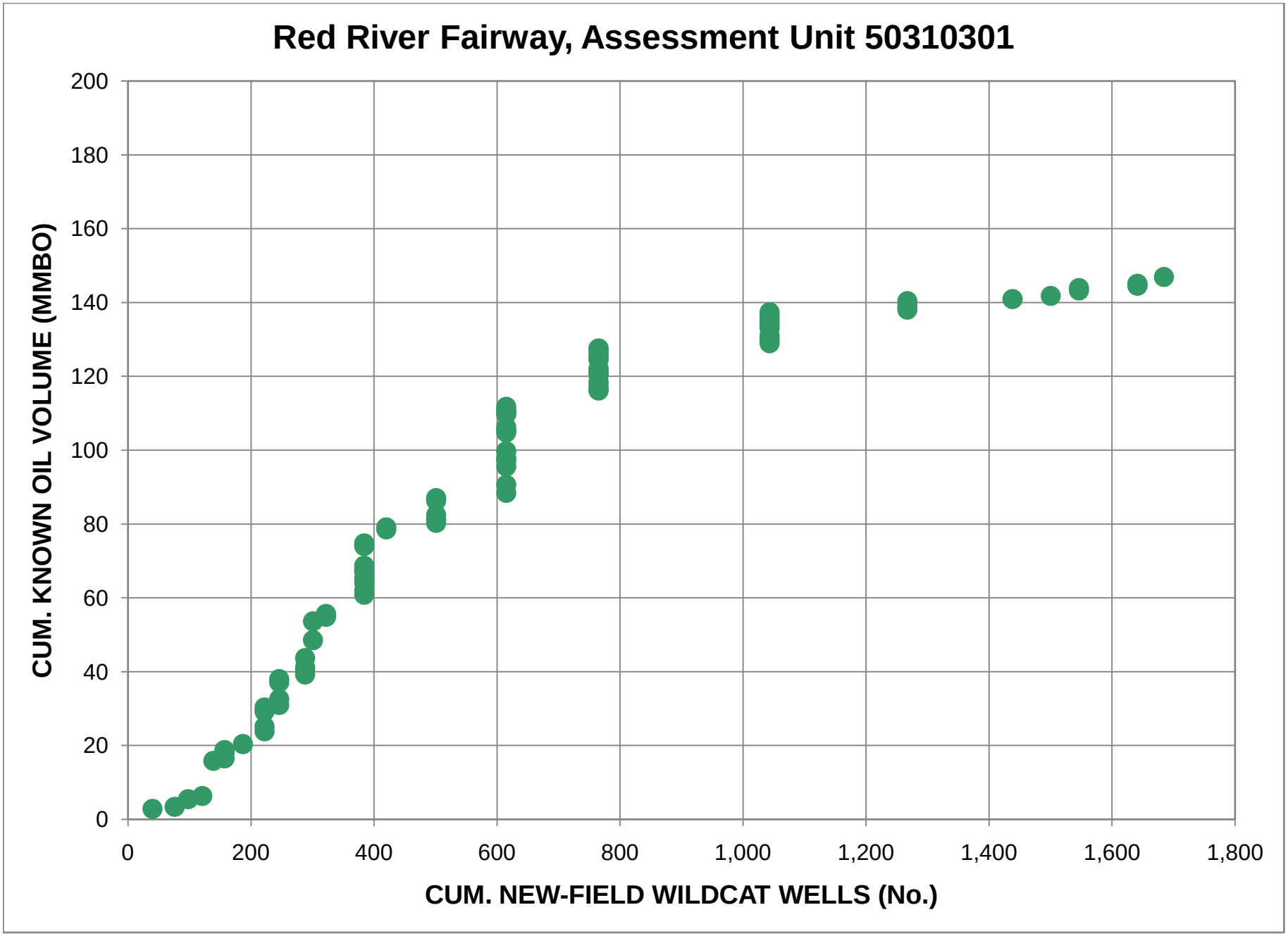

Red River Fairway, Assessment Unit 50310301
OIL ACCUMULATIONS (No.)
40
35
30
25
20
15
10
5
0
0.5 to <1
2 to <4
8 to <16
32 to <64
128 to <256
512 to <1,024
2,048 to <4,096
8,192 to <16,384
32,768 to <65,536
131,072 to <262,144
KNOWN OIL-ACCUMULATION SIZE (MMBO)
Third third of accumulations discovered
Second third of accumulations discovered
First third of accumulations discovered

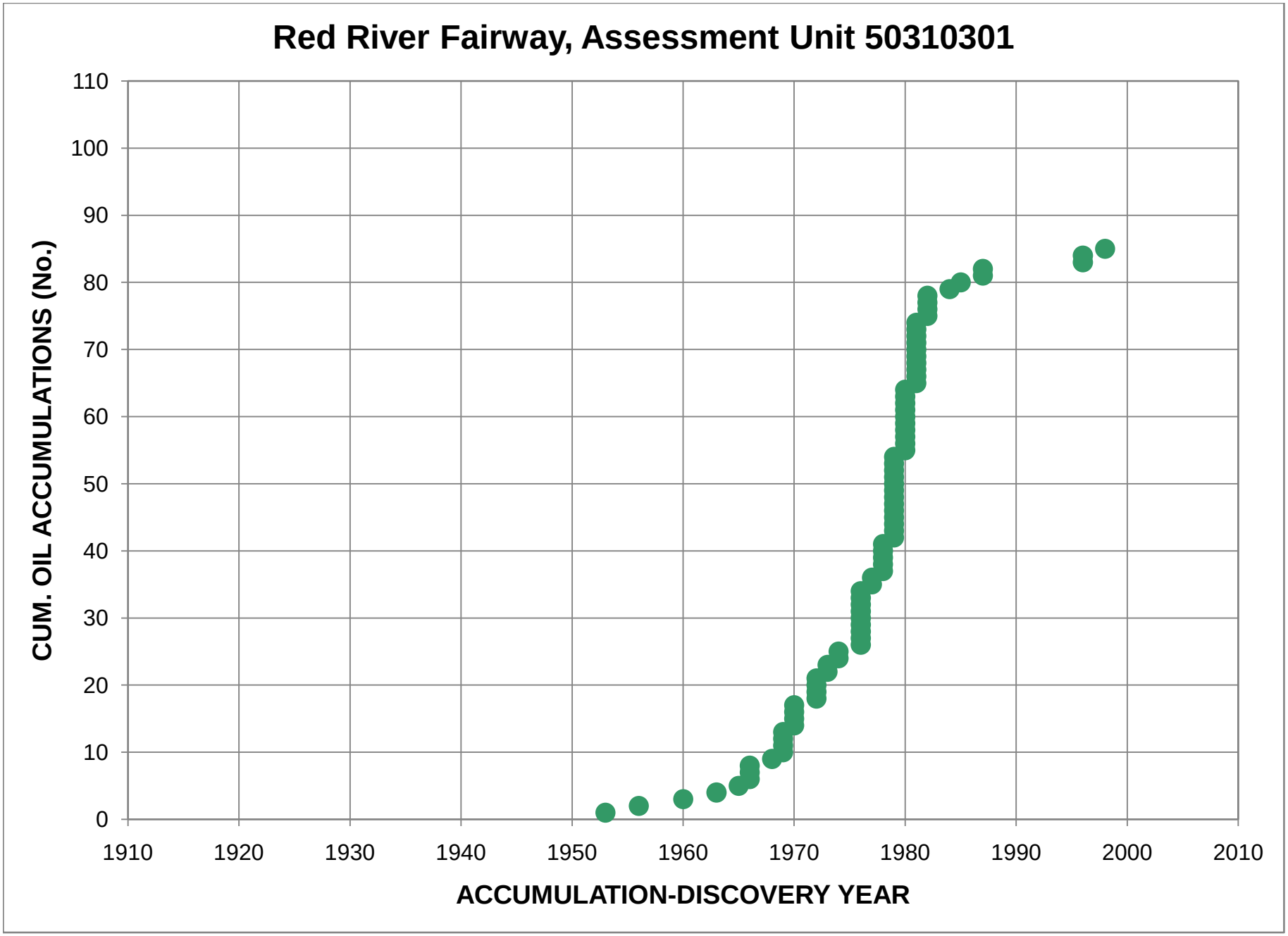

Red River Fairway, Assessment Unit 50310301
VOLUME OF OIL (MMBO)
50
45
40
35
30
25
20
15
10
5
0
0.5 to <1
1 to <2
2 to <4
4 to <8
8 to <16
16 to <32
32 to <64
64 to <128
128 to <256
256 to <512
512 to <1,024
1,024 to <2,048
2,048 to <4,096
4,096 to <8,192
8,192 to <16,384
16,384 to <32,768
32,768 to <65,536
65,536 to <131,072
131,072 to <262,144
>=262,144
KNOWN OIL-ACCUMULATION SIZE (MMBO)

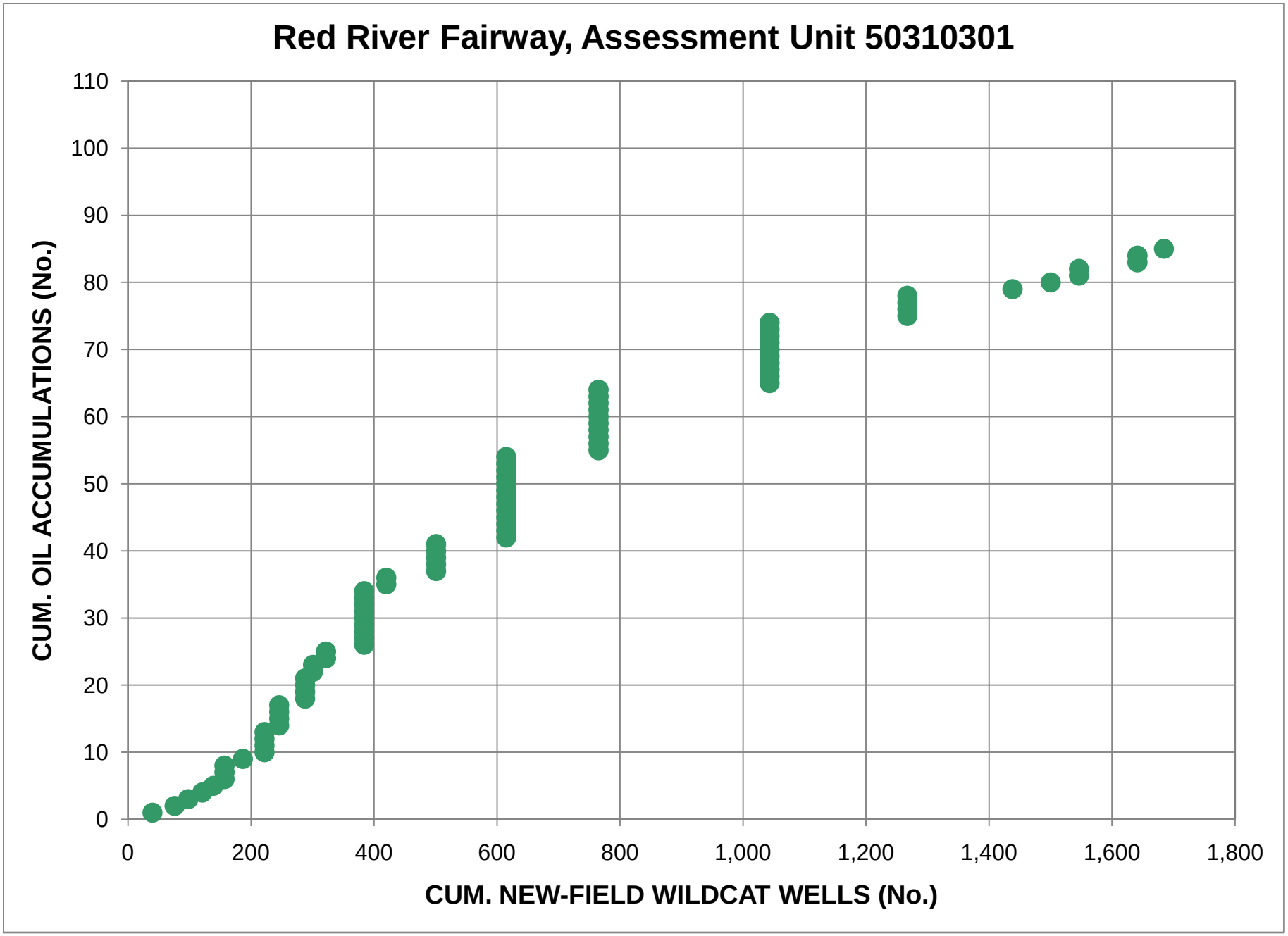

Red River Fairway, Assessment Unit 50310301
KNOWN OIL-ACCUMULATION SIZE (MMBO)
100
10
1
0
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

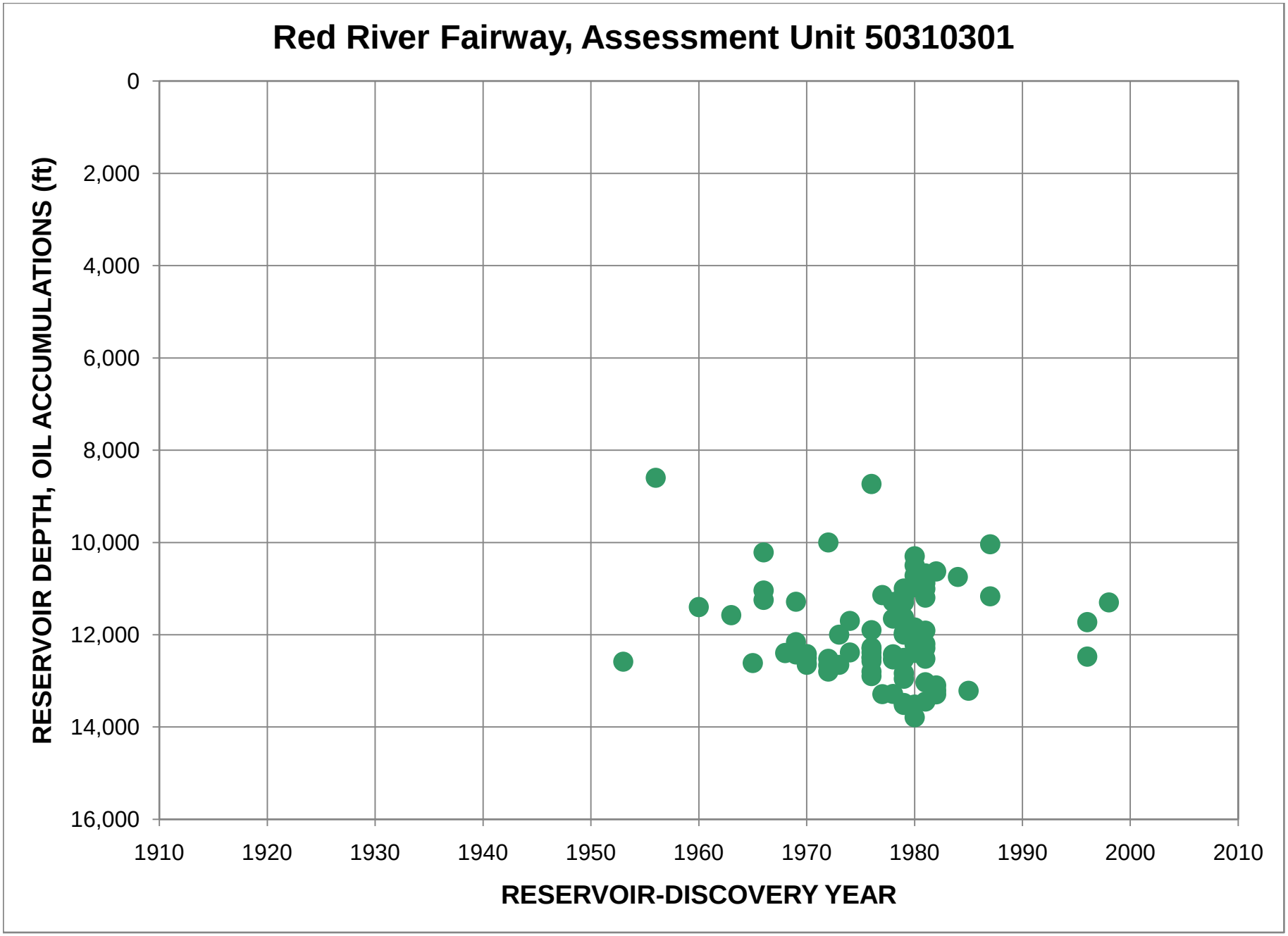

Red River Fairway, Assessment Unit 50310301
KNOWN OIL-ACCUMULATION SIZE (MMBO)
100
10
1
0
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
CUM. NEW-FIELD WILDCAT WELLS (No.)

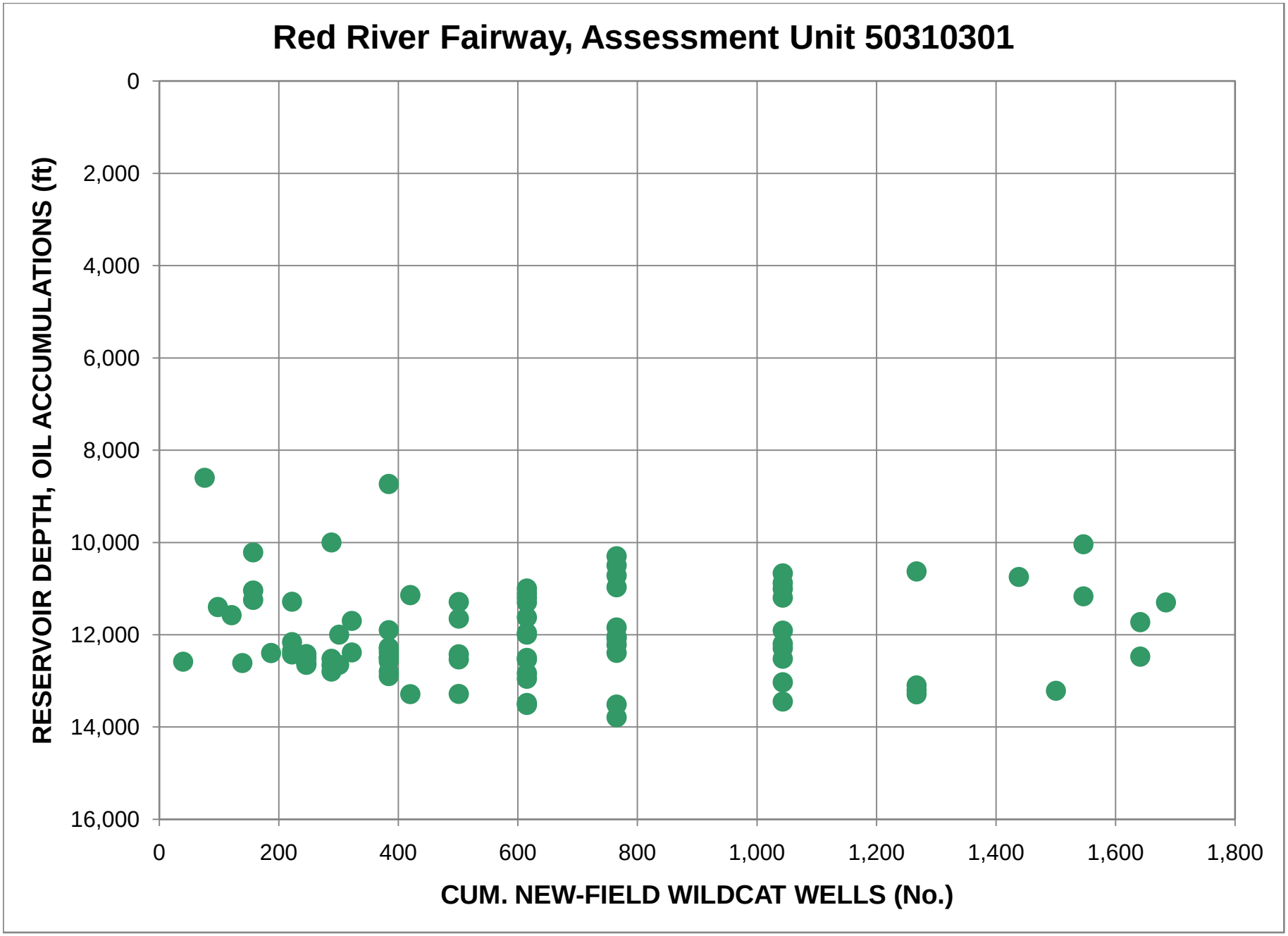

Red River Fairway, Assessment Unit 50310301
CUM. KNOWN OIL VOLUME (MMBO)
200
180
160
140
120
100
80
60
40
20
0
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

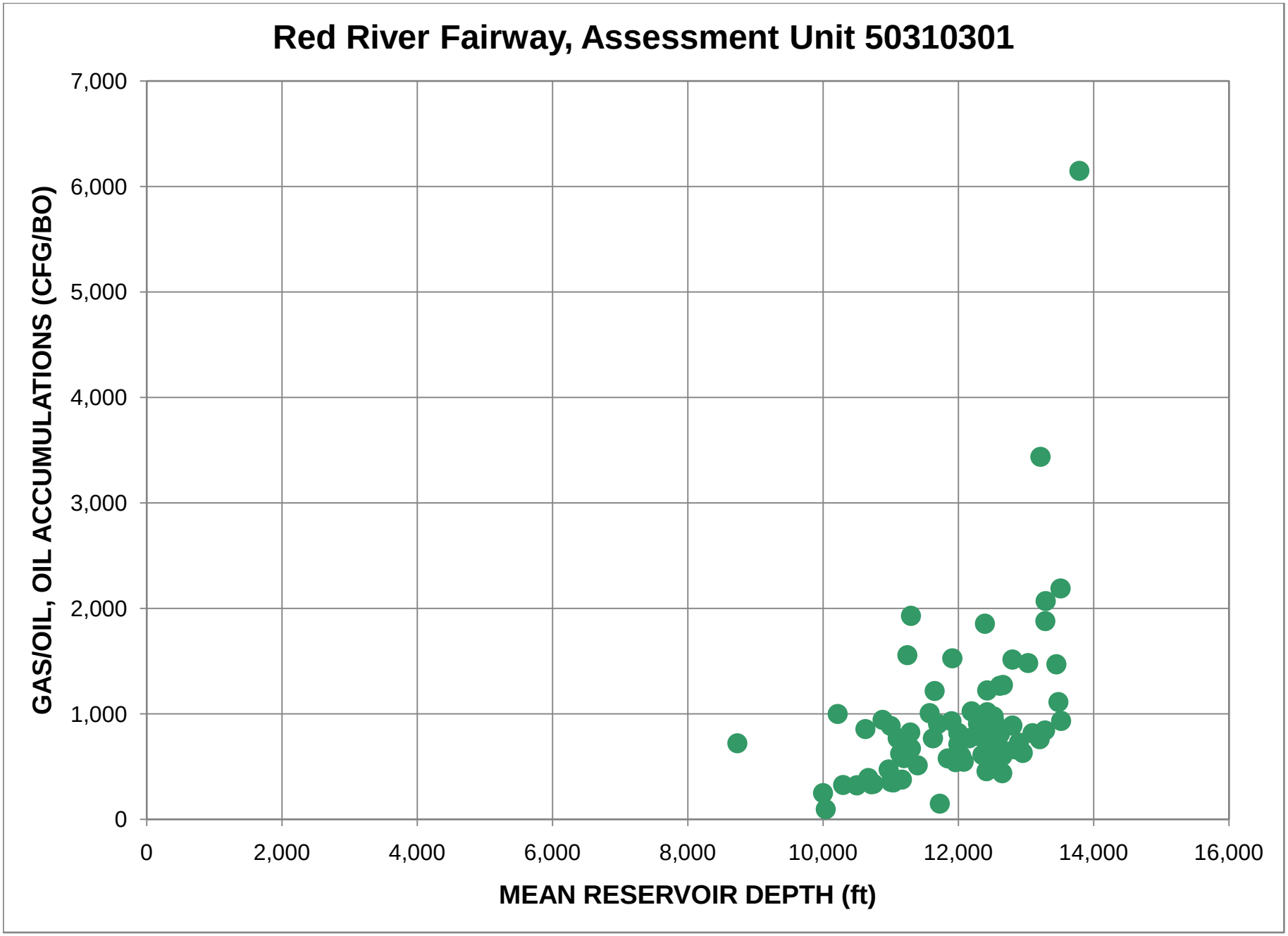

Red River Fairway, Assessment Unit 50310301
CUM. KNOWN OIL VOLUME (MMBO)
0
20
40
60
80
100
120
140
160
180
200
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
CUM. NEW-FIELD WILDCAT WELLS (No.)

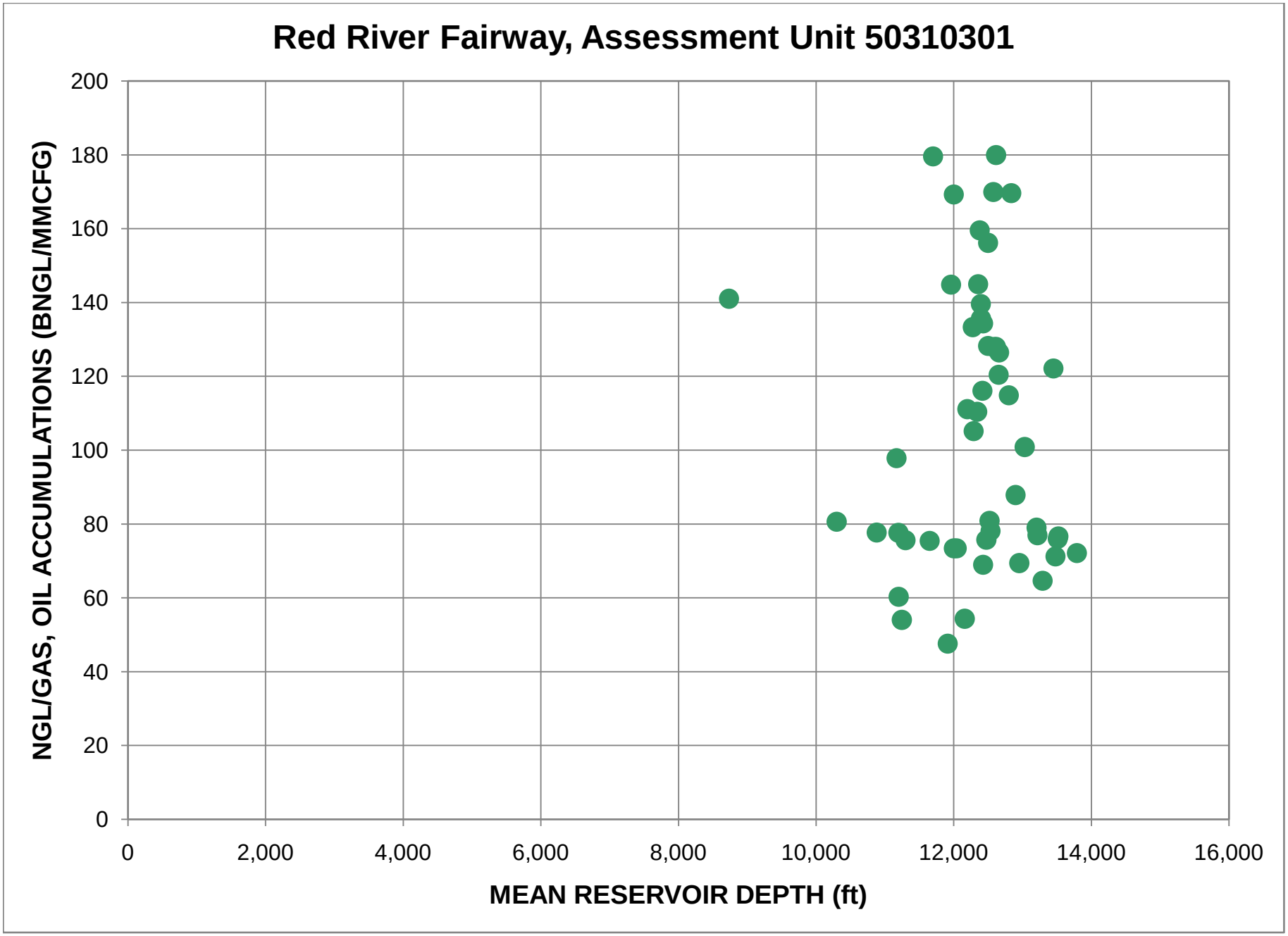

Red River Fairway, Assessment Unit 50310301
CUM. OIL ACCUMULATIONS (No.)
110
100
90
80
70
60
50
40
30
20
10
0
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

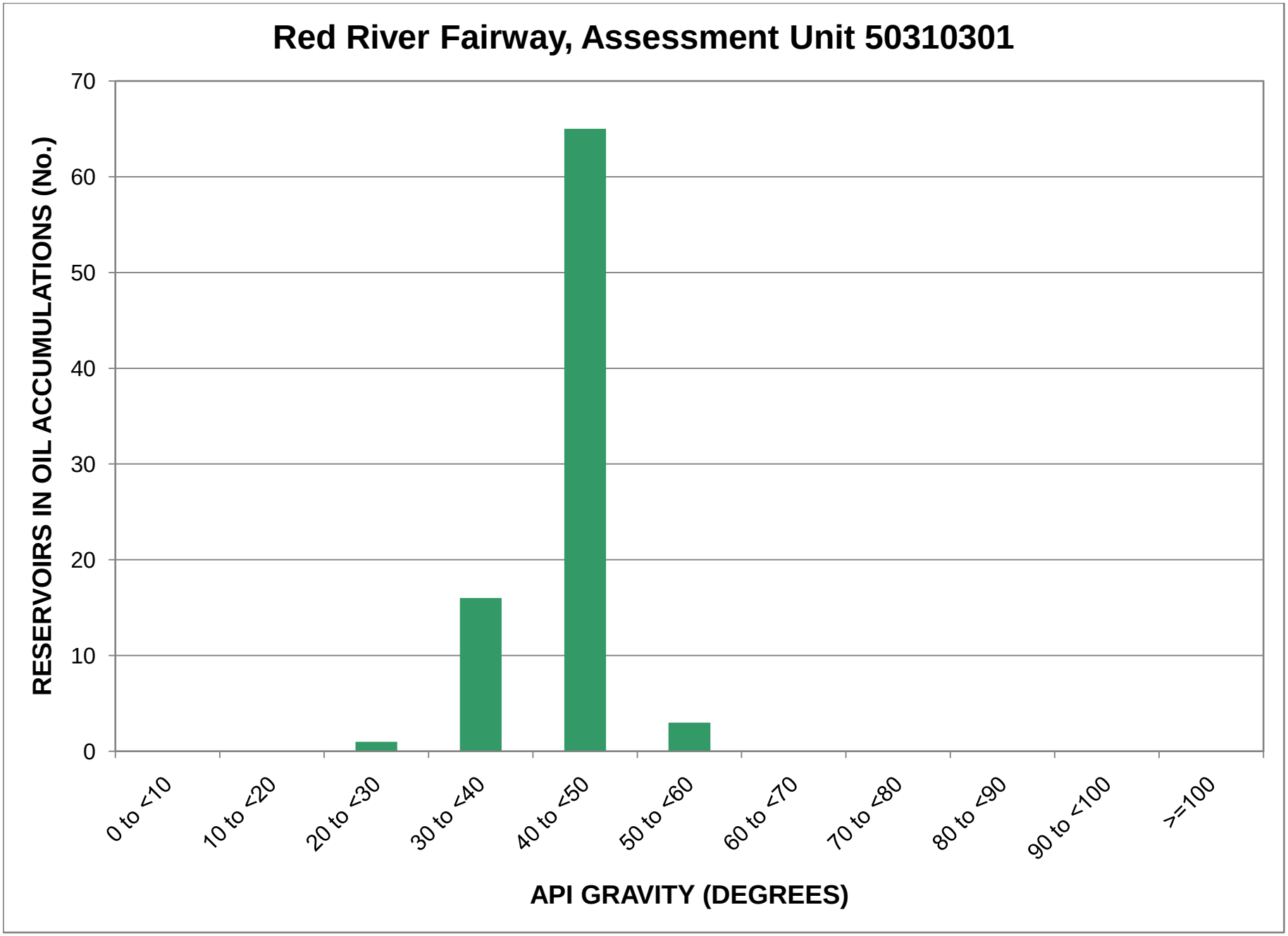

Red River Fairway, Assessment Unit 50310301
CUM. OIL ACCUMULATIONS (No.)
110
100
90
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
CUM. NEW-FIELD WILDCAT WELLS (No.)

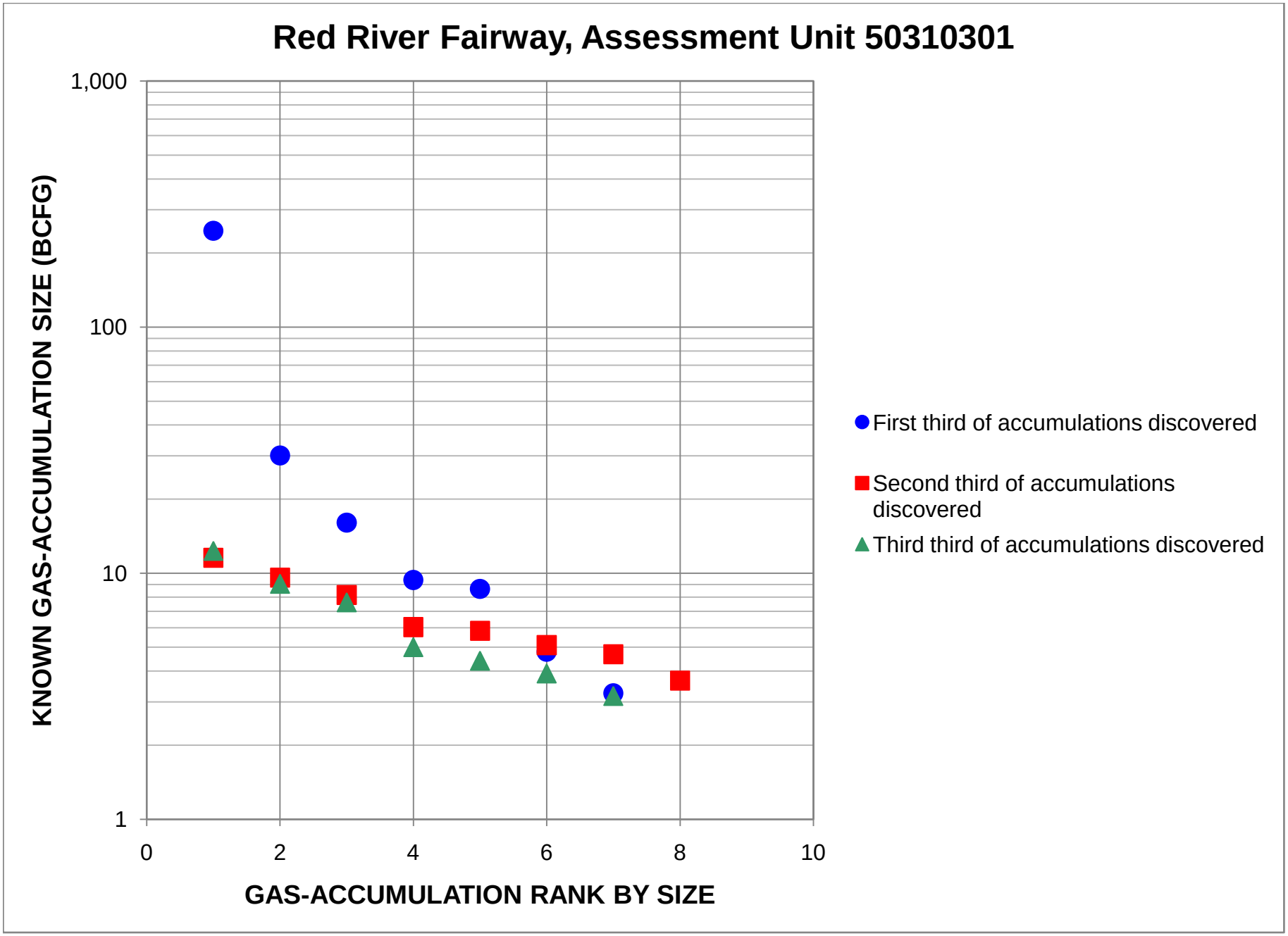

Red River Fairway, Assessment Unit 50310301
RESERVOIR DEPTH, OIL ACCUMULATIONS (ft)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
RESERVOIR-DISCOVERY YEAR

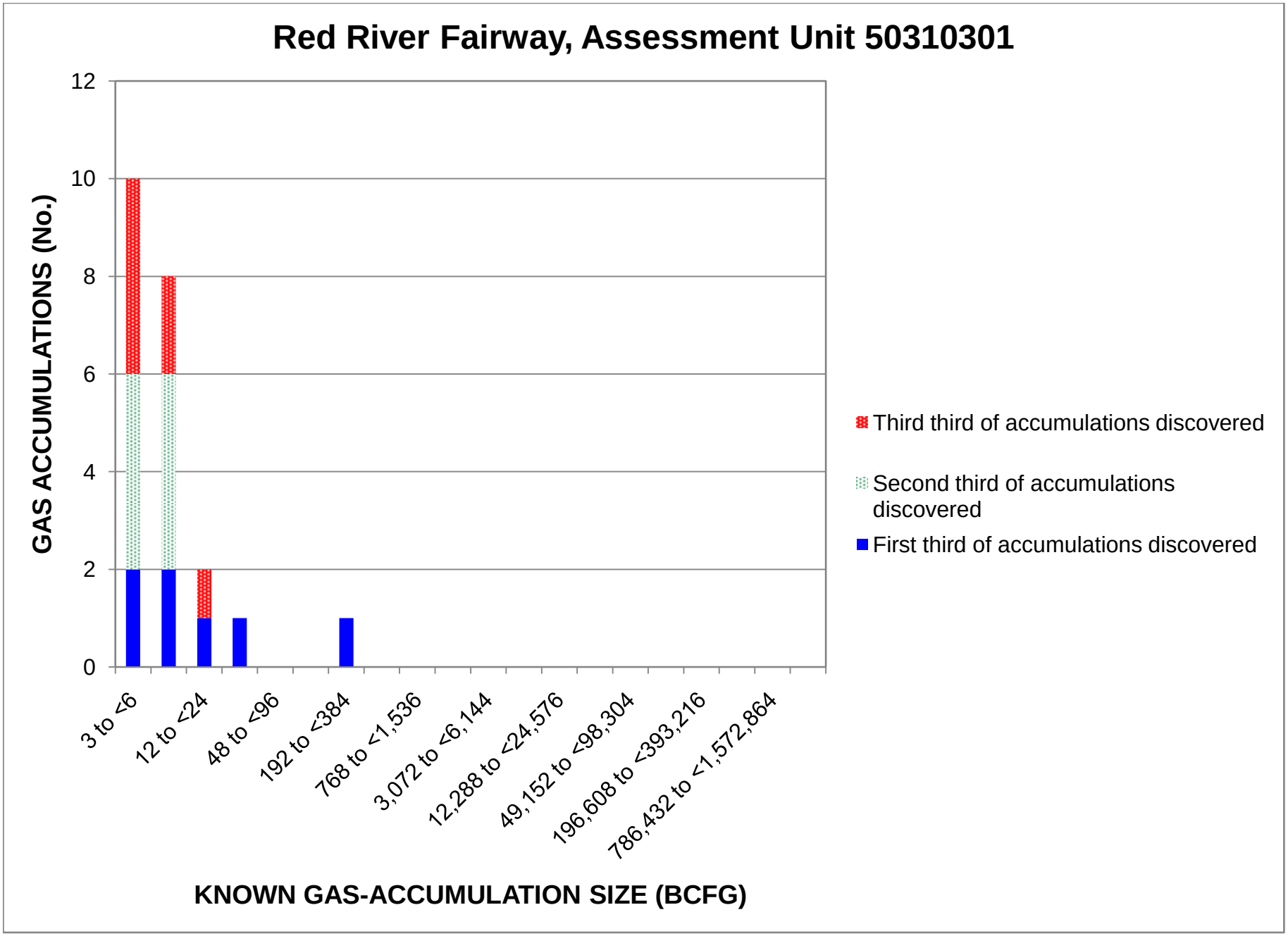

Red River Fairway, Assessment Unit 50310301
RESERVOIR DEPTH, OIL ACCUMULATIONS (ft)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
CUM. NEW-FIELD WILDCAT WELLS (No.)

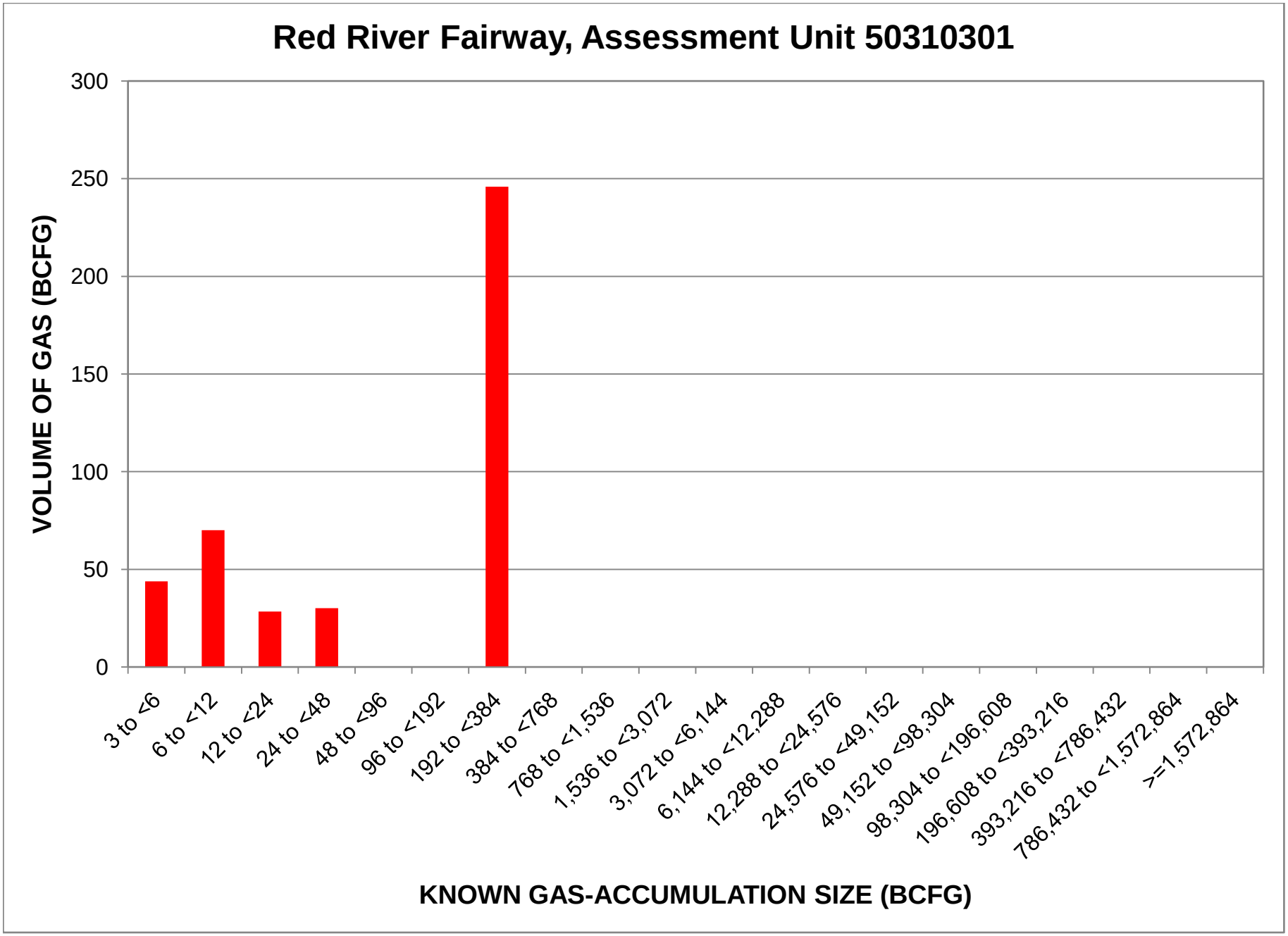

Red River Fairway, Assessment Unit 50310301
GAS/OIL, OIL ACCUMULATIONS (CFG/BO)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
MEAN RESERVOIR DEPTH (ft)

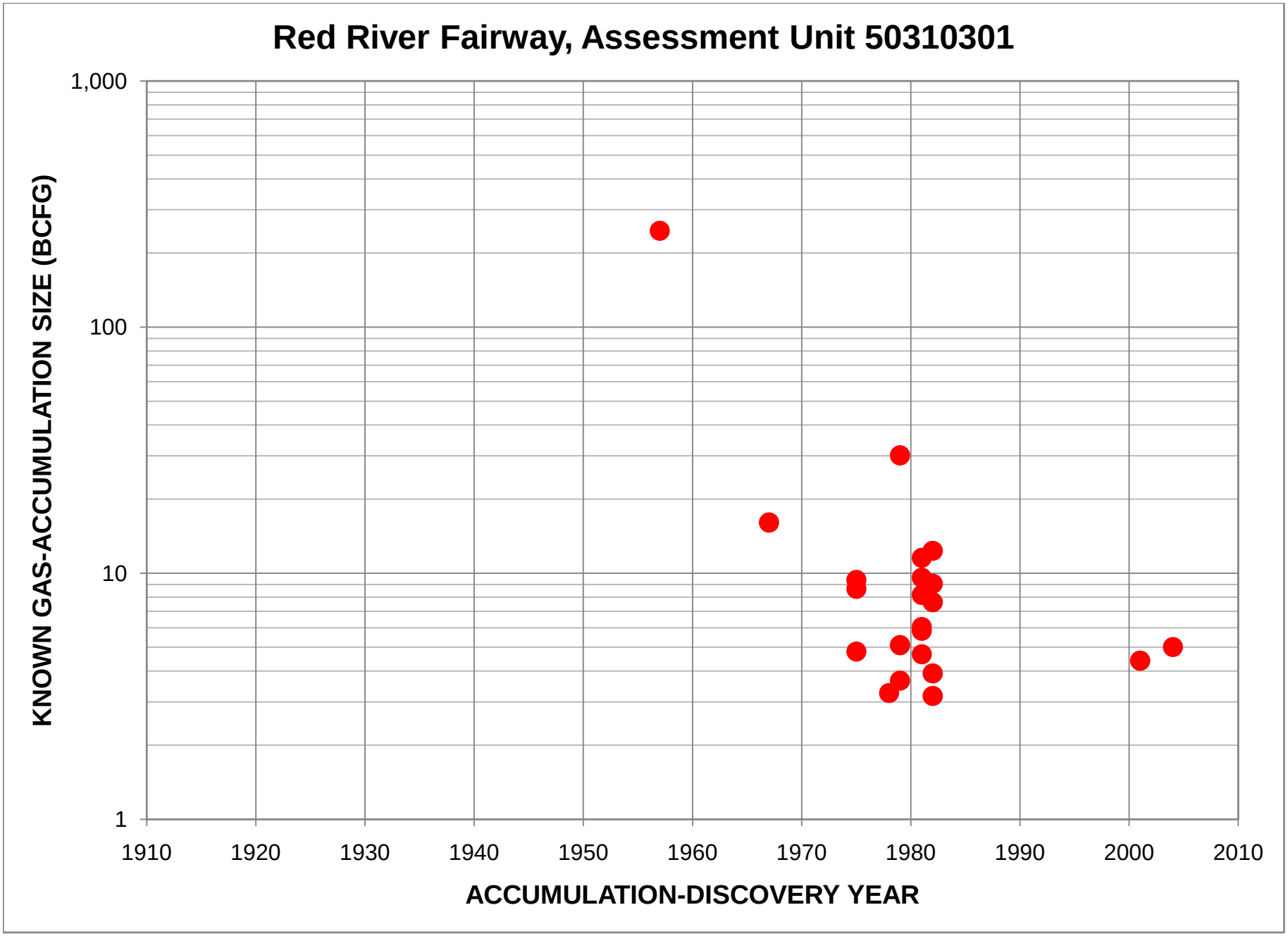

Red River Fairway, Assessment Unit 50310301
NGL/GAS, OIL ACCUMULATIONS (BNGL/MMCFG)
200
180
160
140
120
100
80
60
40
20
0
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
MEAN RESERVOIR DEPTH (ft)

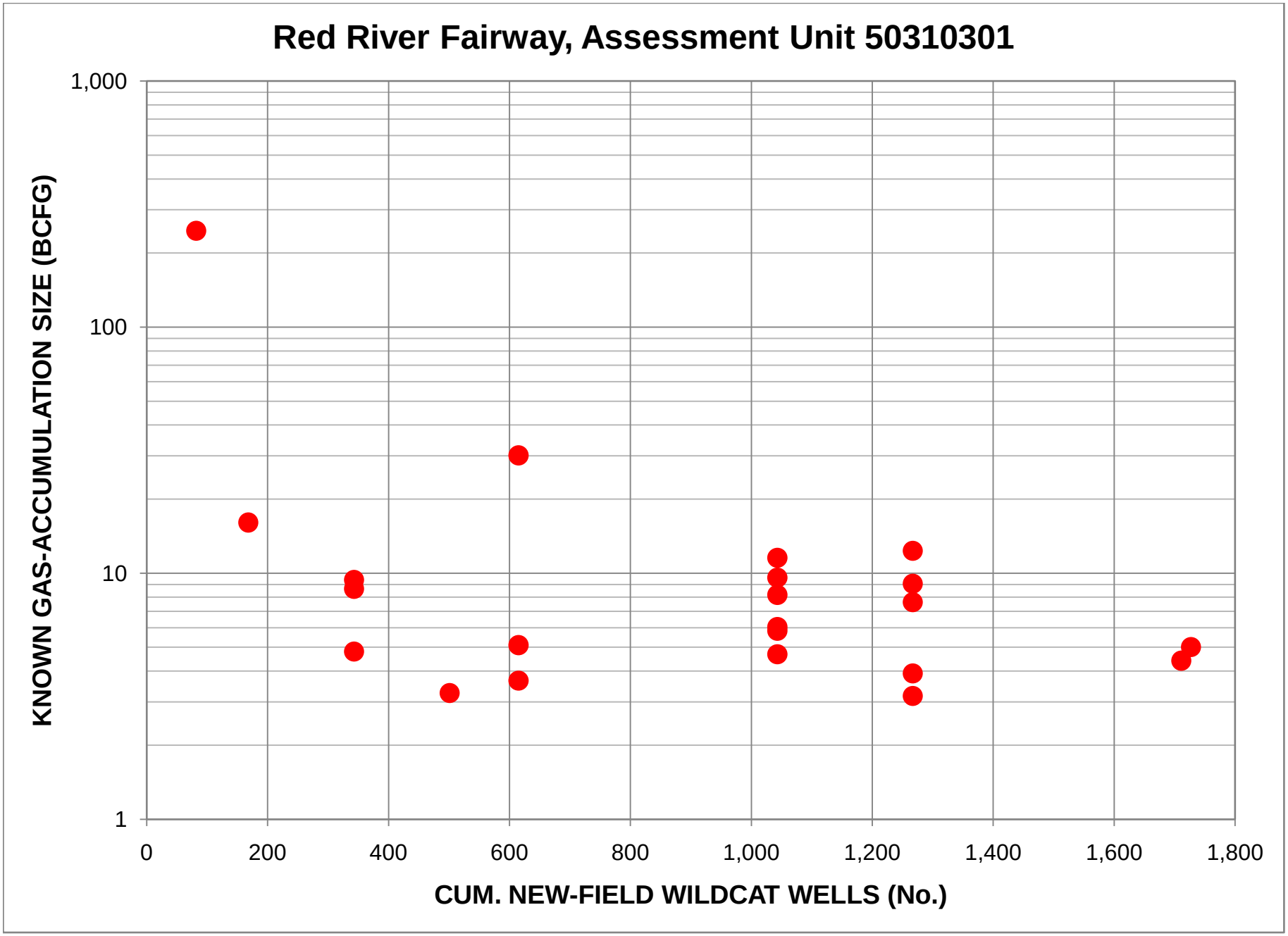

Red River Fairway, Assessment Unit 50310301
RESERVOIRS IN OIL ACCUMULATIONS (No.)
70
60
50
40
30
20
10
0
0 to <10
10 to <20
20 to <30
30 to <40
40 to <50
50 to <60
60 to <70
70 to <80
80 to <90
90 to <100
>=100
API GRAVITY (DEGREES)

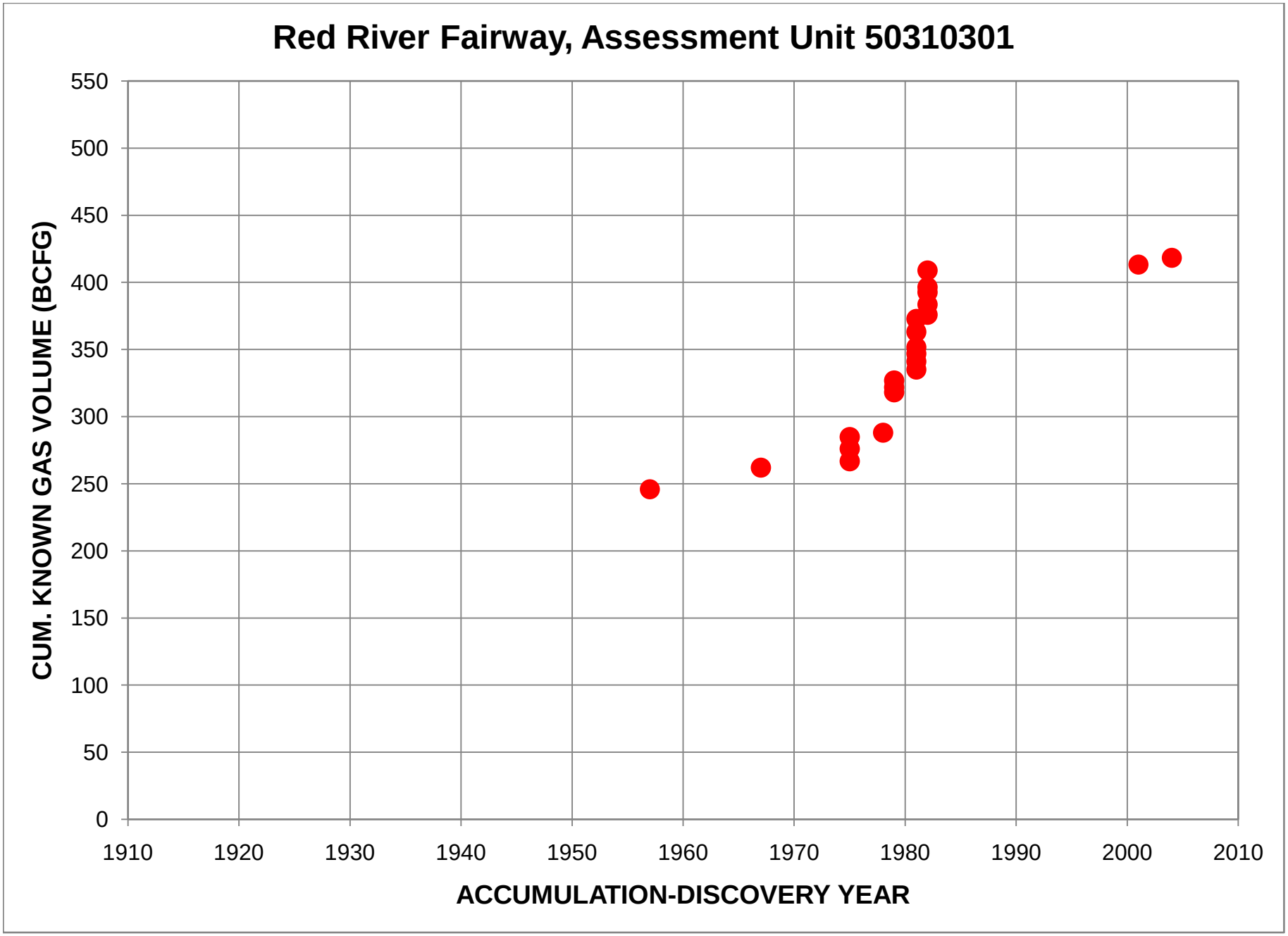

Red River Fairway, Assessment Unit 50310301
KNOWN GAS-ACCUMULATION SIZE (BCFG)
1,000
100
10
1
0
2
4
6
8
10
GAS-ACCUMULATION RANK BY SIZE
First third of accumulations discovered
Second third of accumulations discovered
Third third of accumulations discovered

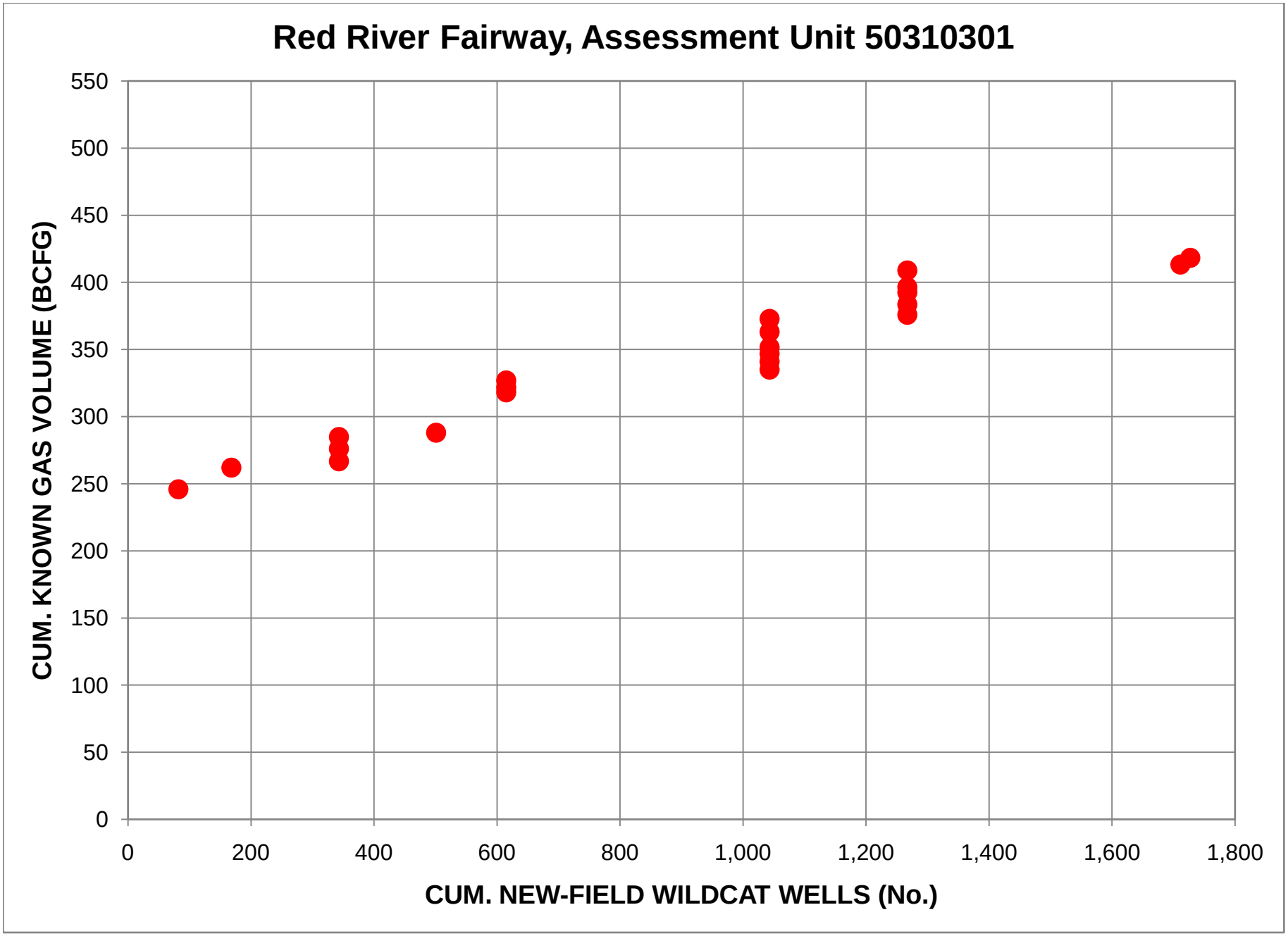

Red River Fairway, Assessment Unit 50310301
GAS ACCUMULATIONS (No.)
12
10
8
6
4
2
0
3 to <6
12 to <24
48 to <96
192 to <384
768 to <1,536
3,072 to <6,144
12,288 to <24,576
49,152 to <98,304
196,608 to <393,216
786,432 to <1,572,864
KNOWN GAS-ACCUMULATION SIZE (BCFG)
Third third of accumulations discovered
Second third of accumulations discovered
First third of accumulations discovered

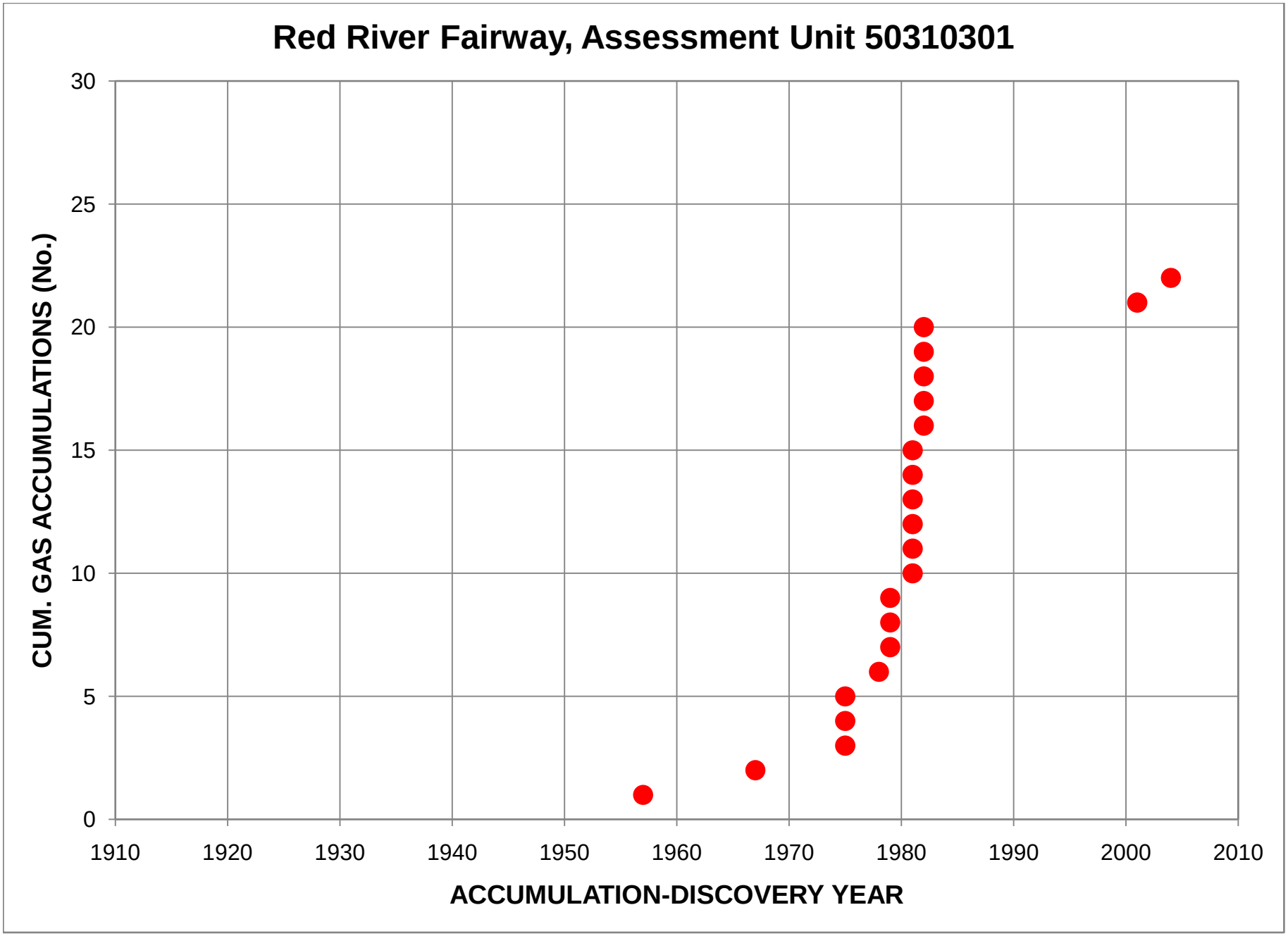

Red River Fairway, Assessment Unit 50310301
VOLUME OF GAS (BCFG)
300
250
200
150
100
50
0
3 to <6
6 to <12
12 to <24
24 to <48
48 to <96
96 to <192
192 to <384
384 to <768
768 to <1,536
1,536 to <3,072
3,072 to <6,144
6,144 to <12,288
12,288 to <24,576
24,576 to <49,152
49,152 to <98,304
98,304 to <196,608
196,608 to <393,216
393,216 to <786,432
786,432 to <1,572,864
>=1,572,864
KNOWN GAS-ACCUMULATION SIZE (BCFG)

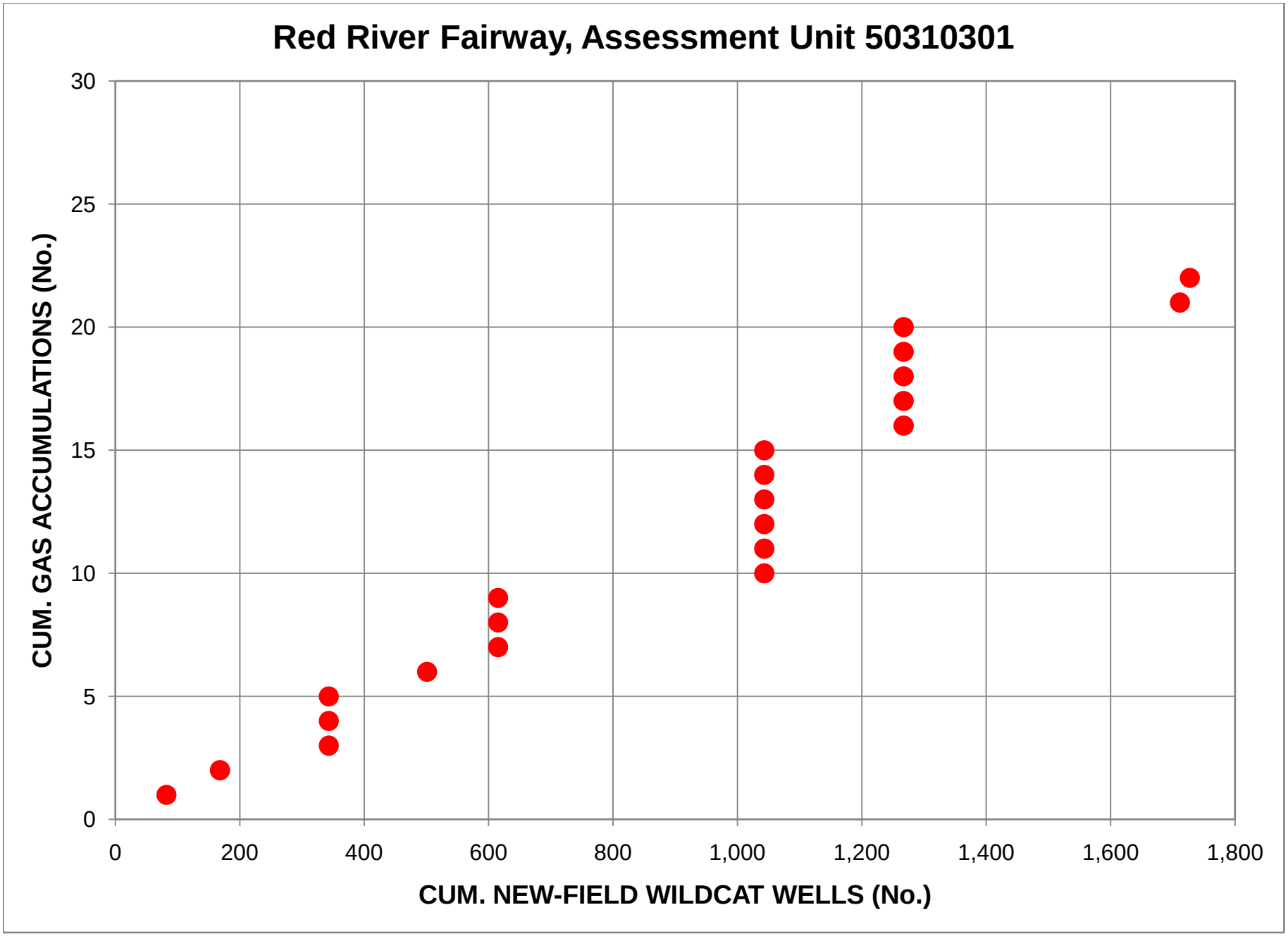

Red River Fairway, Assessment Unit 50310301
KNOWN GAS-ACCUMULATION SIZE (BCFG)
1,000
100
10
1
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

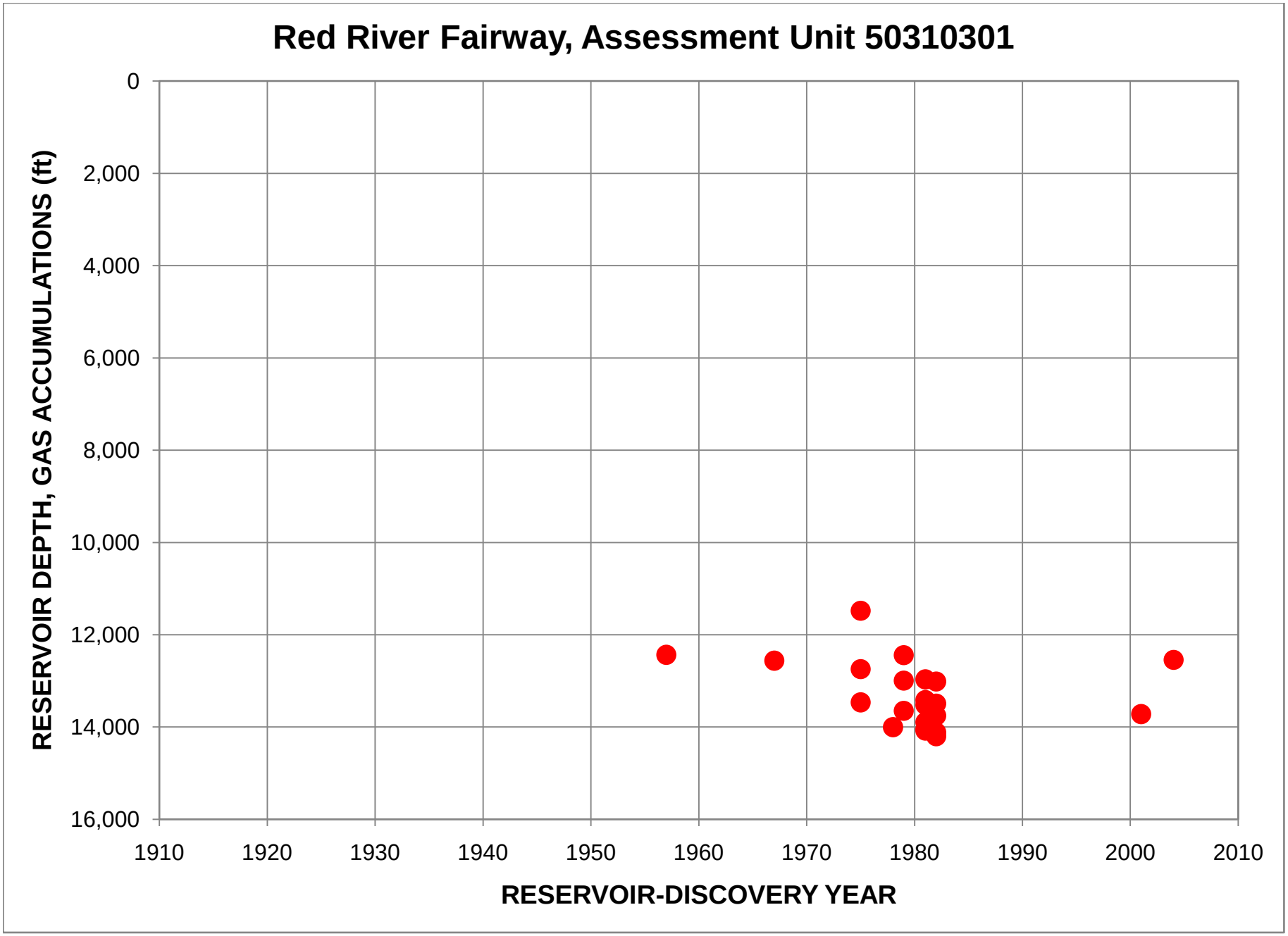

Red River Fairway, Assessment Unit 50310301
KNOWN GAS-ACCUMULATION SIZE (BCFG)
1,000
100
10
1
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
CUM. NEW-FIELD WILDCAT WELLS (No.)

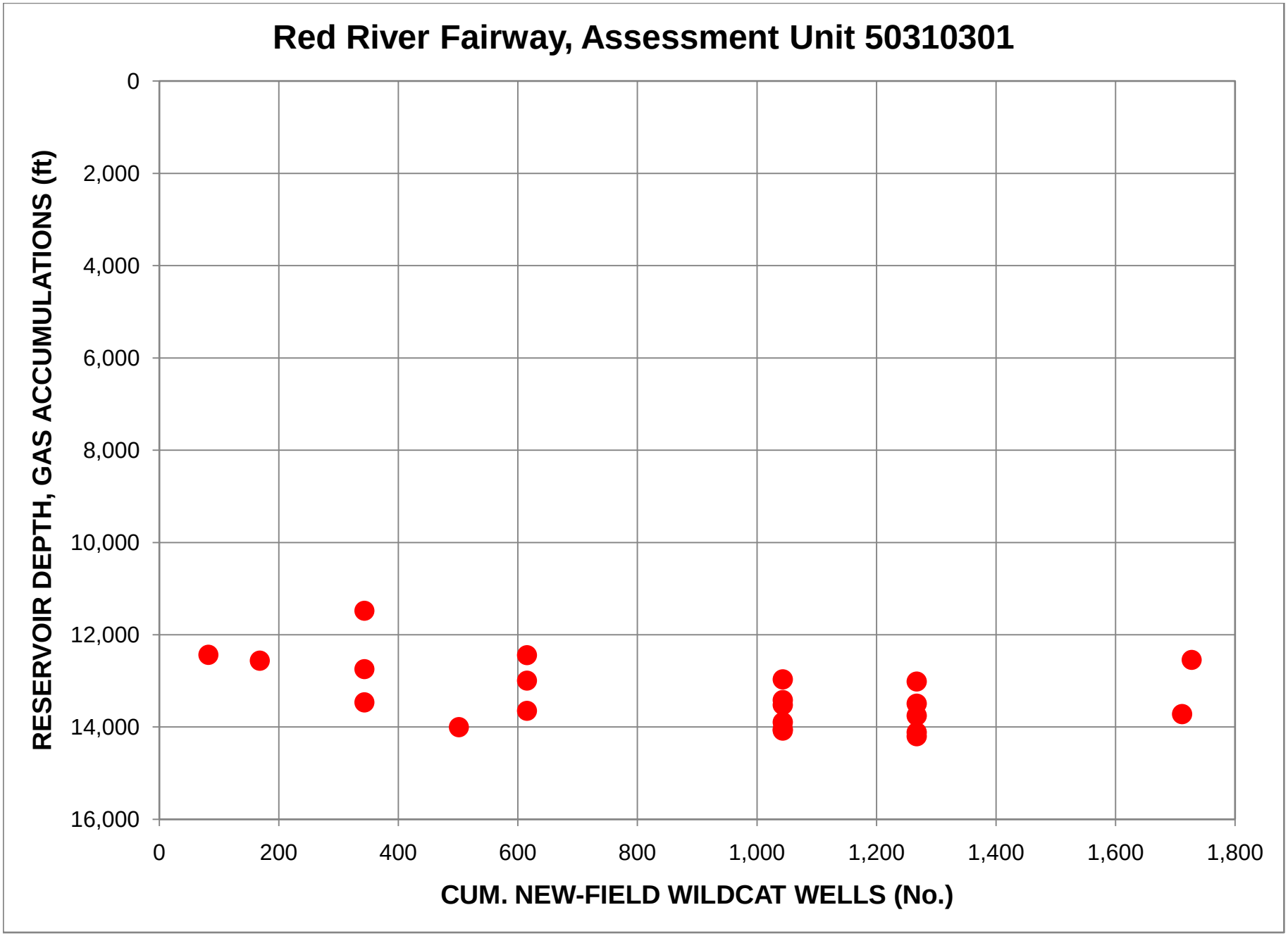

Red River Fairway, Assessment Unit 50310301
CUM. KNOWN GAS VOLUME (BCFG)
550
500
450
400
350
300
250
200
150
100
50
0
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR

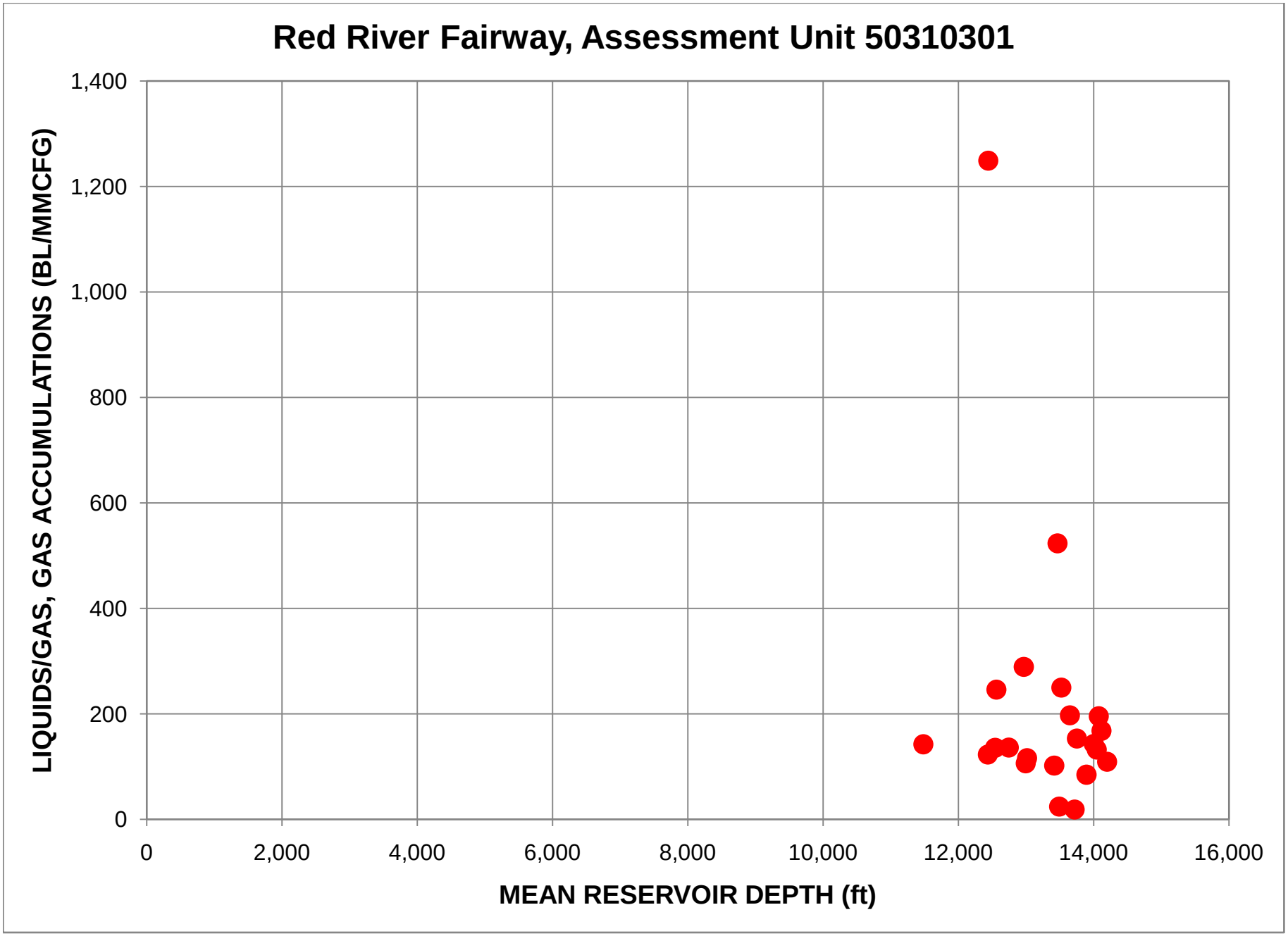

Red River Fairway, Assessment Unit 50310301
CUM. KNOWN GAS VOLUME (BCFG)
550
500
450
400
350
300
250
200
150
100
50
0
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
CUM. NEW-FIELD WILDCAT WELLS (No.)


Red River Fairway, Assessment Unit 50310301
CUM. GAS ACCUMULATIONS (No.)
30
25
20
15
10
5
0
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
ACCUMULATION-DISCOVERY YEAR


Red River Fairway, Assessment Unit 50310301
CUM. GAS ACCUMULATIONS (No.)
30
25
20
15
10
5
0
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
CUM. NEW-FIELD WILDCAT WELLS (No.)


Red River Fairway, Assessment Unit 50310301
RESERVOIR DEPTH, GAS ACCUMULATIONS (ft)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
RESERVOIR-DISCOVERY YEAR


Red River Fairway, Assessment Unit 50310301
RESERVOIR DEPTH, GAS ACCUMULATIONS (ft)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
CUM. NEW-FIELD WILDCAT WELLS (No.)


Red River Fairway, Assessment Unit 50310301
LIQUIDS/GAS, GAS ACCUMULATIONS (BL/MMCFG)
1,400
1,200
1,000
800
600
400
200
0
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
MEAN RESERVOIR DEPTH (ft)