FIG. 1

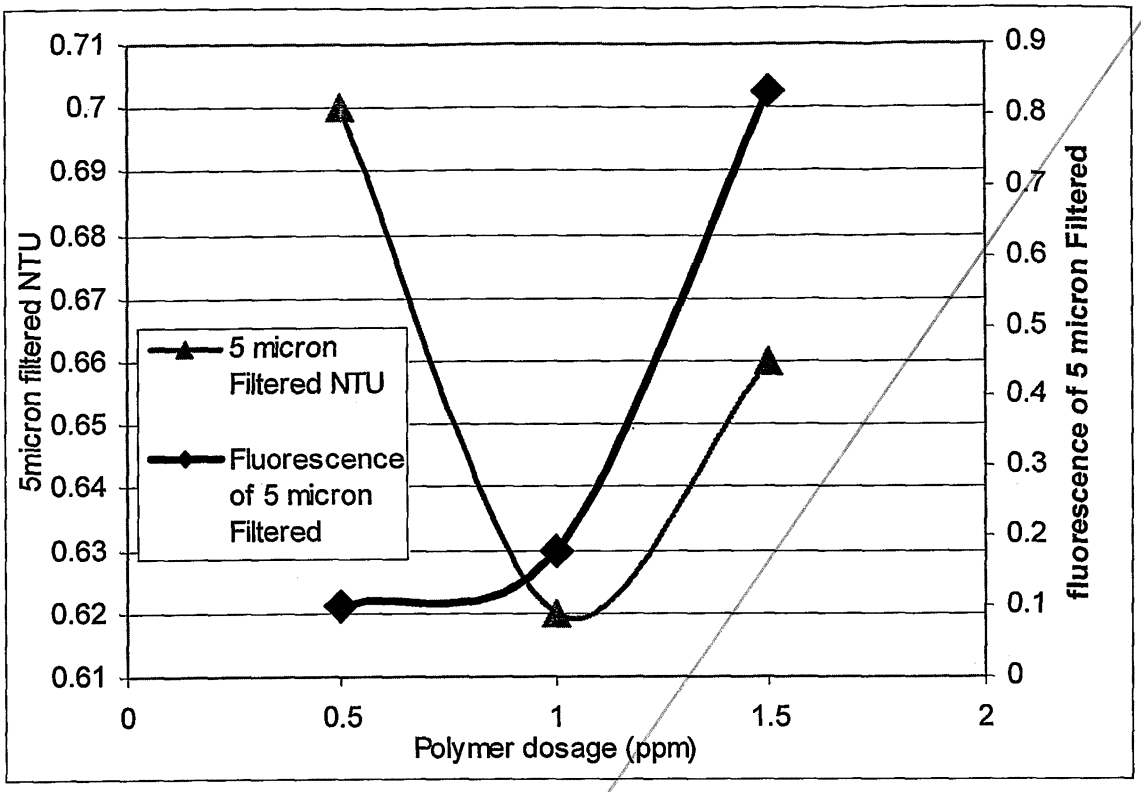

0.71
0.7
0.69
0.68
0.67
0.66
0.65
0.64
0.63
0.62
0.61
5micron filtered NTU
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
fluorescence of 5 micron Filtered
5 micron Filtered NTU
Fluorescence of 5 micron Filtered
0
0.5
1
1.5
2
Polymer dosage (ppm)

FIG. 2

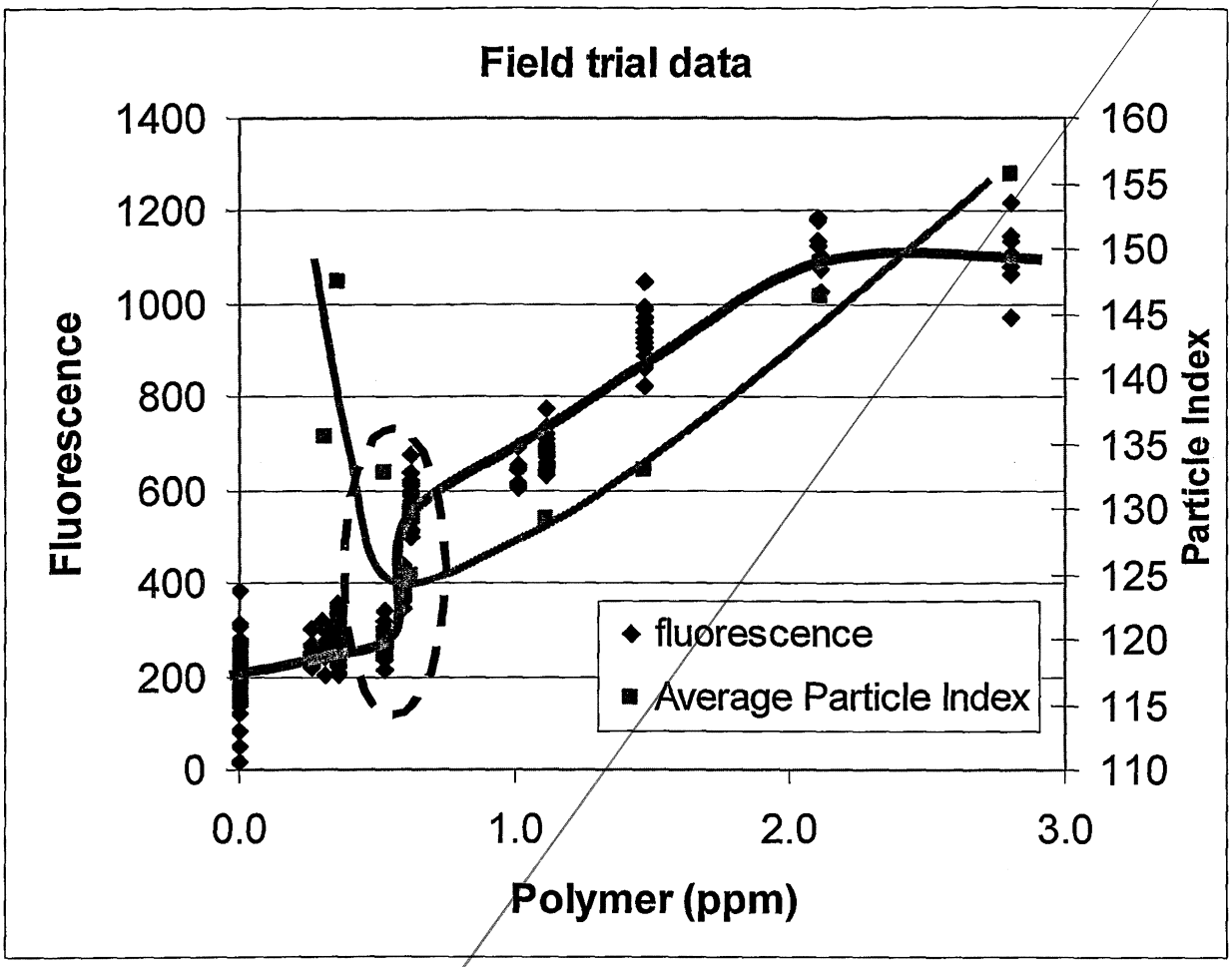

Field trial data
Fluorescence
Particle Index
Polymer (ppm)
1400
1200
1000
800
600
400
200
0
160
155
150
145
140
135
130
125
120
115
110
0.0
1.0
2.0
3.0
fluorescence
Average Particle Index

FIG. 3

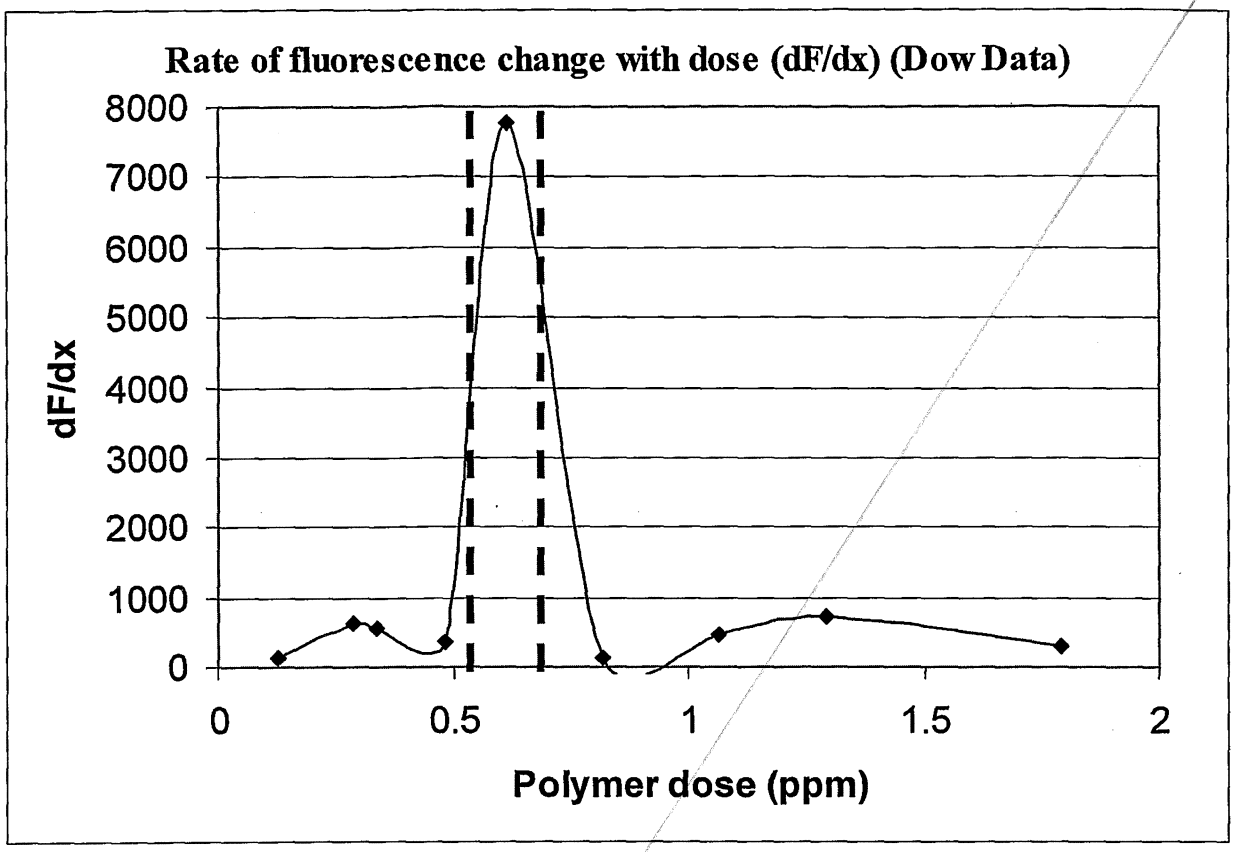
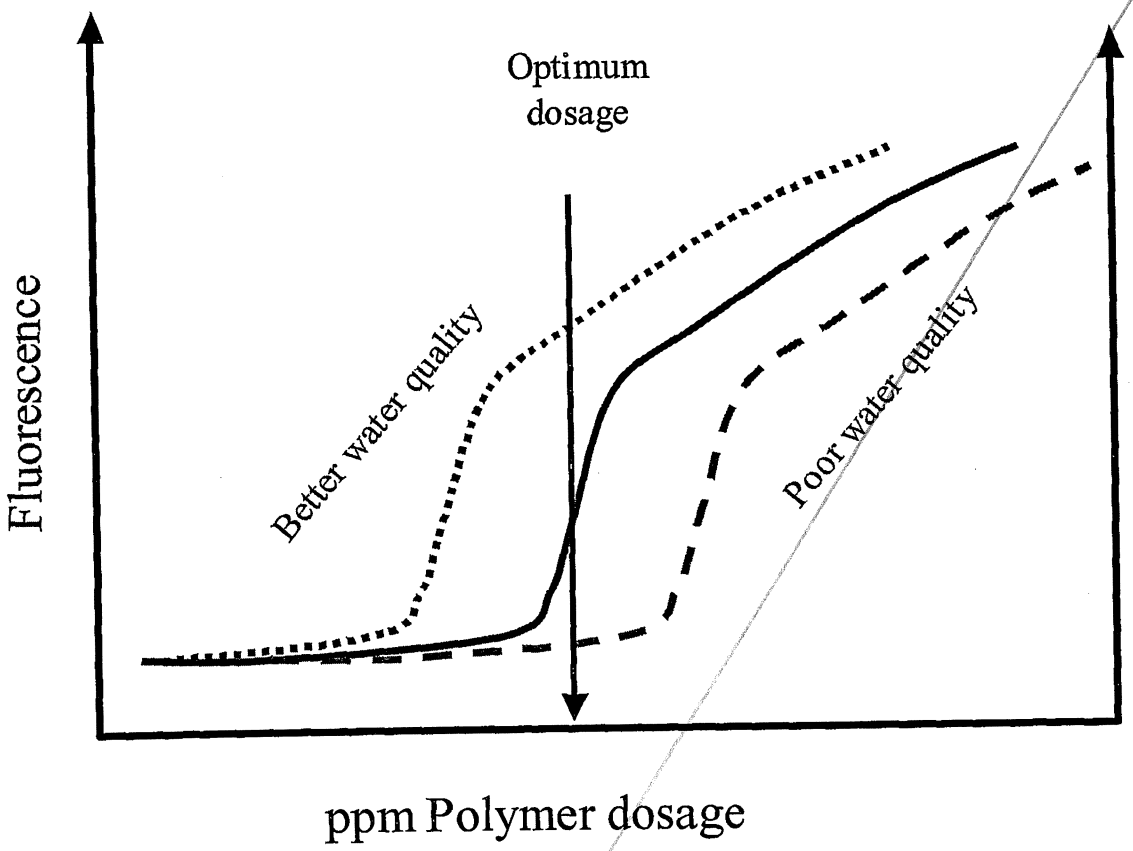

Rate of fluorescence change with dose (dF/dx) (Dow Data)
8000
7000
6000
5000
4000
3000
2000
1000
0
dF/dx
0
0.5
1
1.5
2
Polymer dose (ppm)

FIG. 4


Optimum
dosage
Fluorescence
Better water quality
Poor water quality
ppm Polymer dosage