

RELEASE NO. 1 3/2/93

AXIAL POSITION OF DYE PLUME

- Low Water on 3rd (R +6h)
- Low Water on 4th (R +18h)
- Low Water on 5th (R +42h)

Locations of peak concentration as shown

Dilutions of an Effluent Discharge of 3DWF as shown

SOURCE DATA	
Admiralty Surveys	
a	1970-71 1 6000
b	1933-34 1 31 680
c	1903 1 10 560
d	1860-48 1 57 600
e	1847 1 24 310
f	1846 1 20 68
g	1846 1 20 68
h	1864 1 14 40

For inspection purposes only
Consent of copyright owner required for any other use

FIGURE 4.2b

RELEASE NO. 1 3/2/93

AXIAL POSITION OF DYE PLUME

- High Water on 4th (R +24h)
- High Water on 5th (R +48h)
- High Water on 7th (R +96h)

Locations of peak concentration as shown

Dilutions of an Effluent Discharge of 3DFW as shown

SOURCE DATA

Admiralty Surveys	
a	1970 71 1:6000
b	1933 34 1:31 680
c	1903 1:10 680
d	1860 1:57 600
e	1846 -48 1:24 310
f	1846 -48 1:24 310
g	1846 1:20 630
h	1954 1:14 40

Consent or copyright owner's name only
For inspection purposes only
Not to be used for any other use

FIGURE 4.2C

SKIBBERREEN SEWERAGE SCHEME

SPRING TIDE DYE RELEASE – DYE CONCENTRATIONS AT CROSS SECTIONS

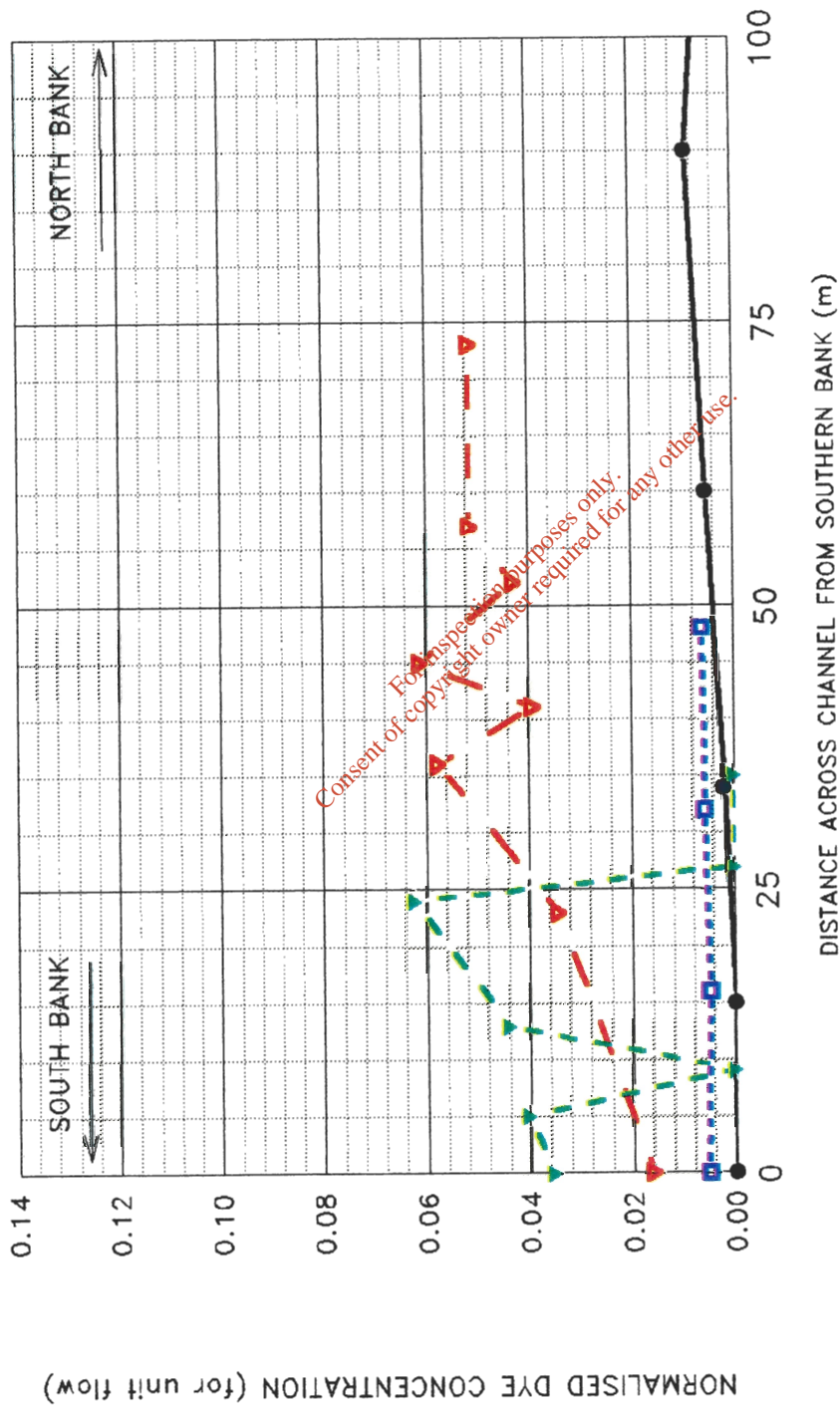
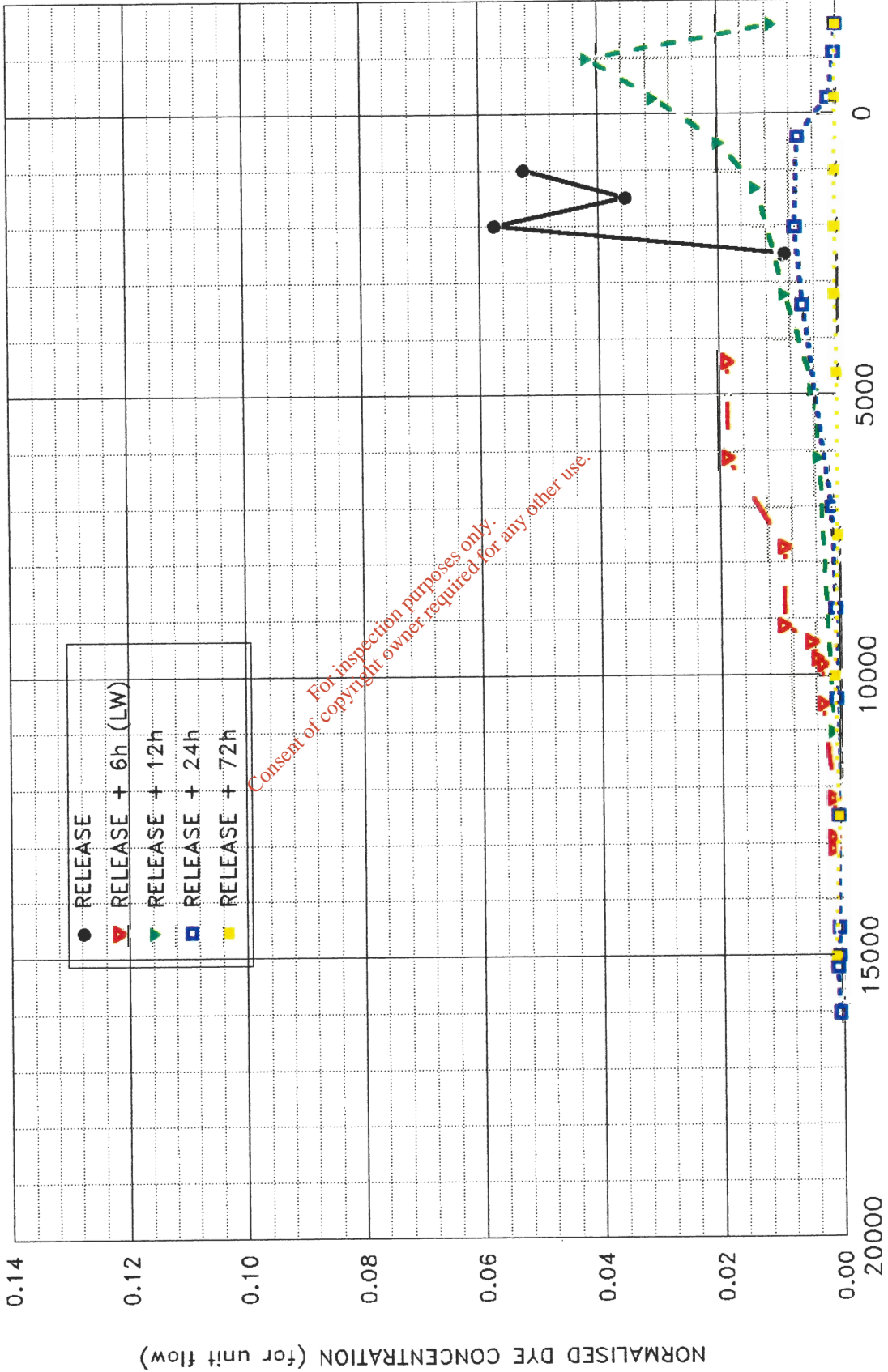


FIGURE 4.3

SKIBBERREEN SEWERAGE SCHEME

DYE CONCENTRATION VARIATION ALONG ILEN ESTUARY

SPRING TIDE DYE RELEASE - 8/FEB/'93

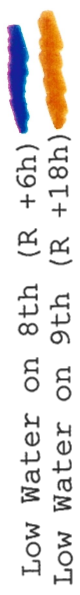


For inspection purposes only.
Consent of copyright owner required for any other use.

FIGURE 4.4a

RELEASE NO. 2 8/2/93

AXIAL POSITION OF DYE PLUME



Locations of peak concentration as shown \longleftrightarrow

Dilutions of an Effluent Discharge of 3DWF as shown

SOURCE DATA

a	1970-71	1:6000
b	1933-34	1:31980
c	1903	1:10560
d	1880	1:57600
e	1846-48	1:10560
f	1847	1:24310
g	1846	1:2089
h	1954	1:1440

For inspection purposes only
Consent of copyright owner required for any other use

FIGURE 4.4b

RELEASE NO. 2 8/2/93

AXIAL POSITION OF DYE PLUME

- High Water on 8th (R +12h)
- High Water on 9th (R +24h)
- High Water on 11th (R +72h)

Locations of peak concentration as shown

Dilutions of Effluent Discharge of 3DWF as shown

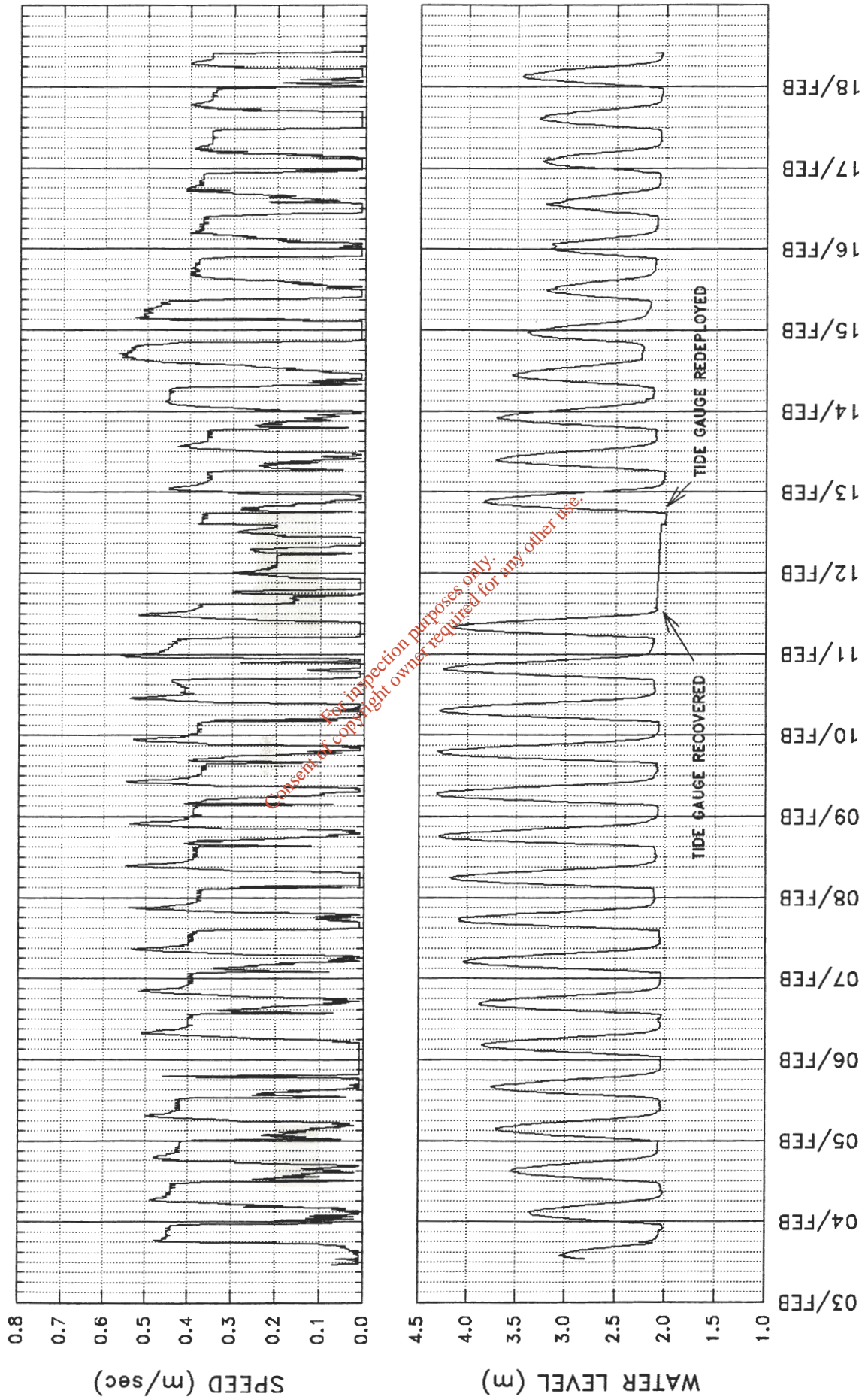
SOURCE DATA	
Admiralty Surveys	
A	1970 71 18000
B	1933 34 131880
C	1903 110560
D	1880 157600
E	1845-49 103000
F	1845 133000
G	1846 13068
Other Surveys	
H	195A 11440

For inspection purposes only
Consent of copyright owner required for any other use

FIGURE 4.4C

SKIBBERREEN SEWERAGE SCHEME

CURRENT SPEED AND WATER LEVEL TO O.D. POOLBEG

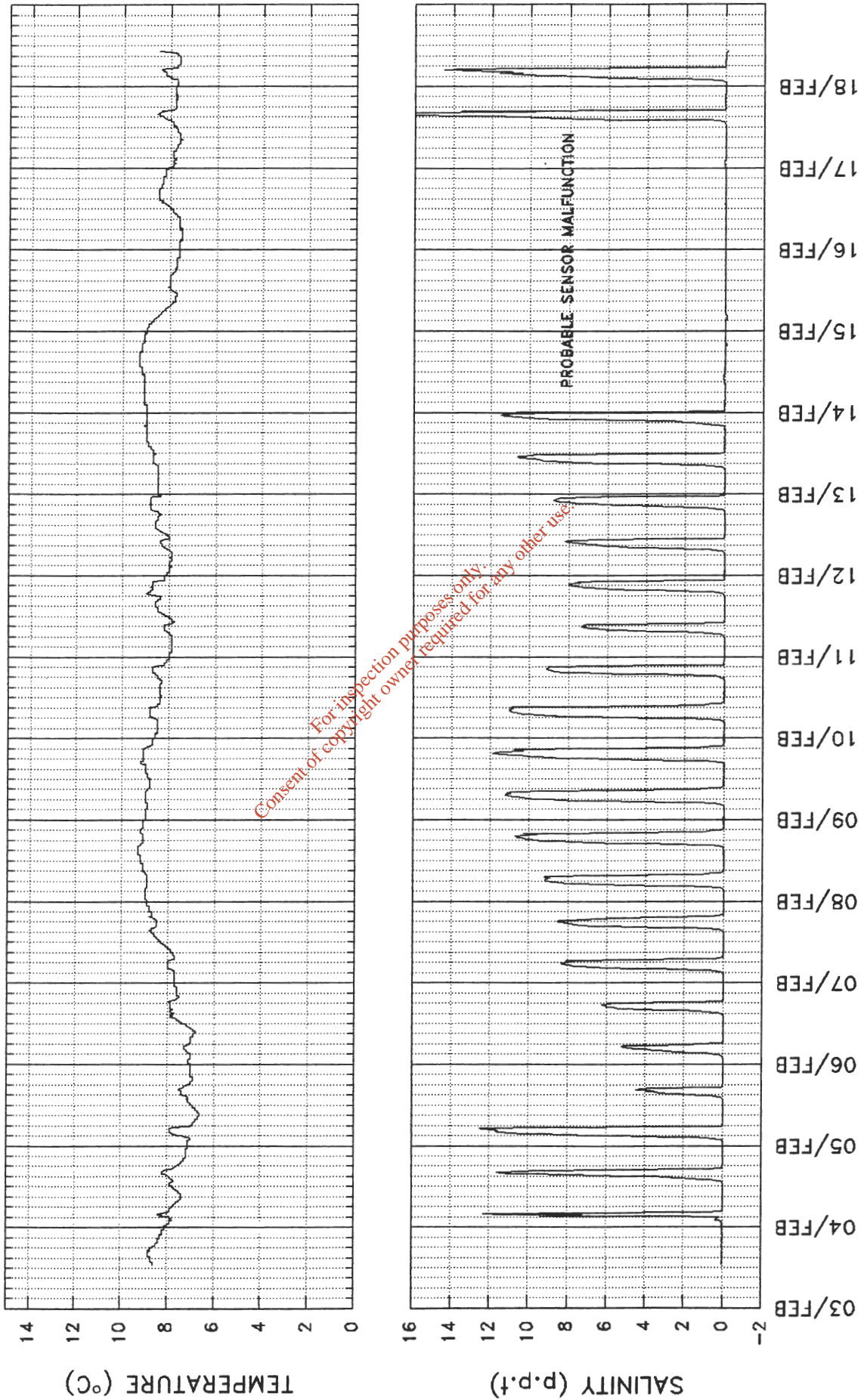


1993

FIGURE 4.5

SKIBBERREEN SEWERAGE SCHEME

WATER TEMPERATURE AND SALINITY 0.3m ABOVE RIVERBED LEVEL AT PROPOSED OUTFALL SITE



1993

FIGURE 4.6

SKIBBERREEN SEWERAGE SCHEME

TIDALLY AVERAGED MODEL PREDICTIONS

PREDICTED BOD CONCENTRATION

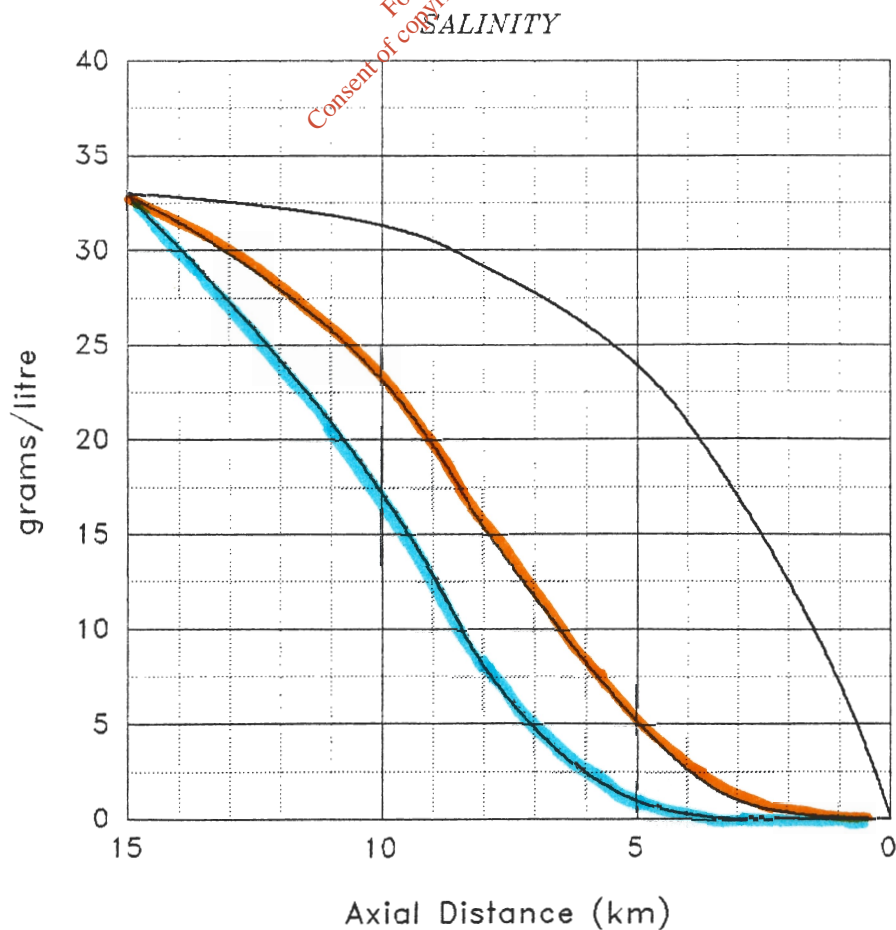
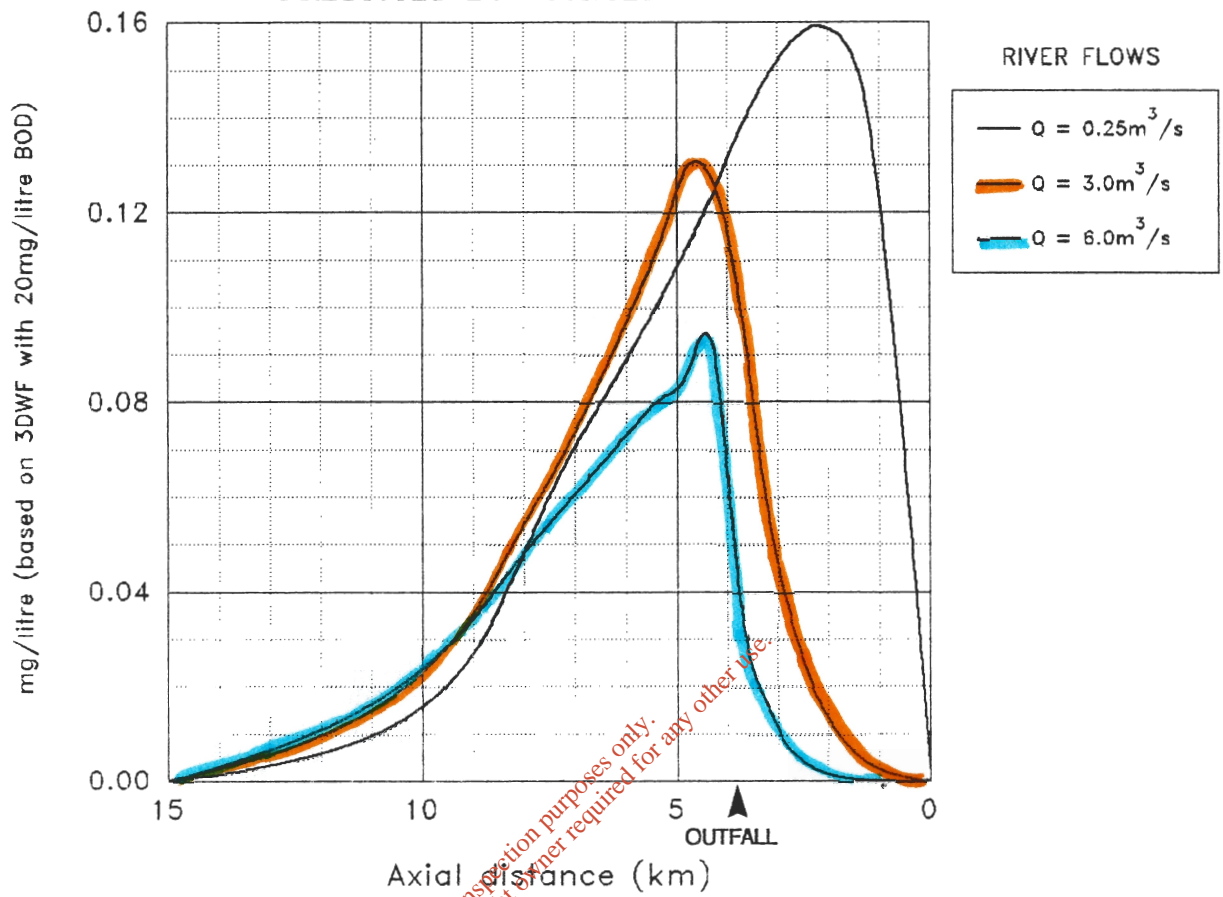


FIGURE 5 1

SKIBBERREEN SEWERAGE SCHEME

TIDALLY AVERAGED MODEL PREDICTIONS

BACTERIAL CONCENTRATION ($T_{90} = 12h\tau$)

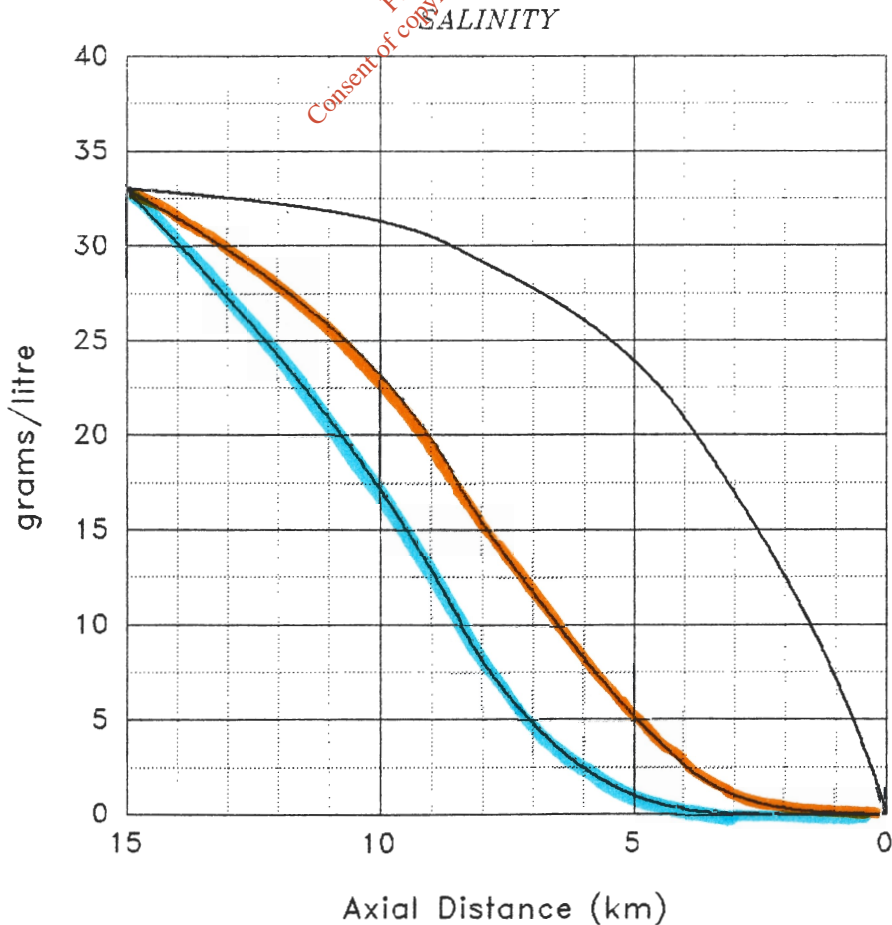
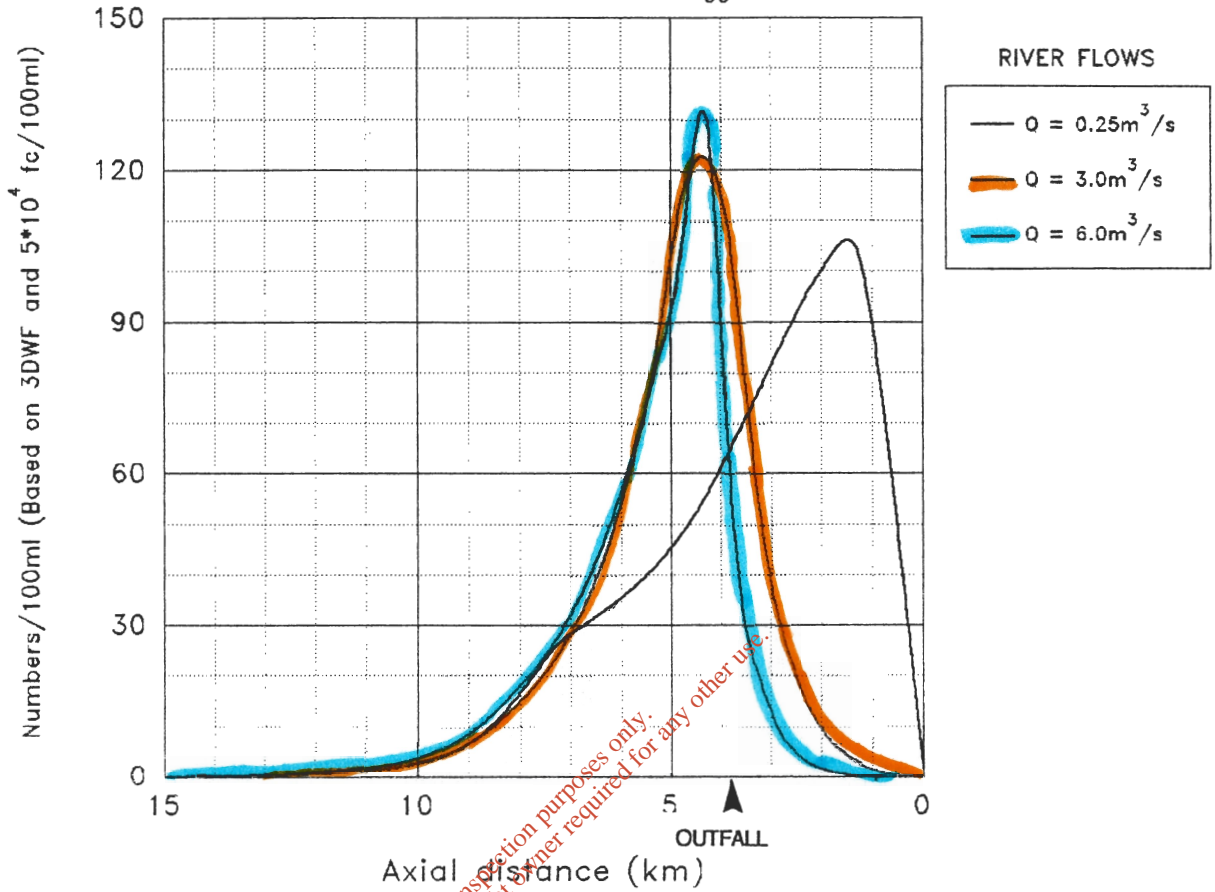
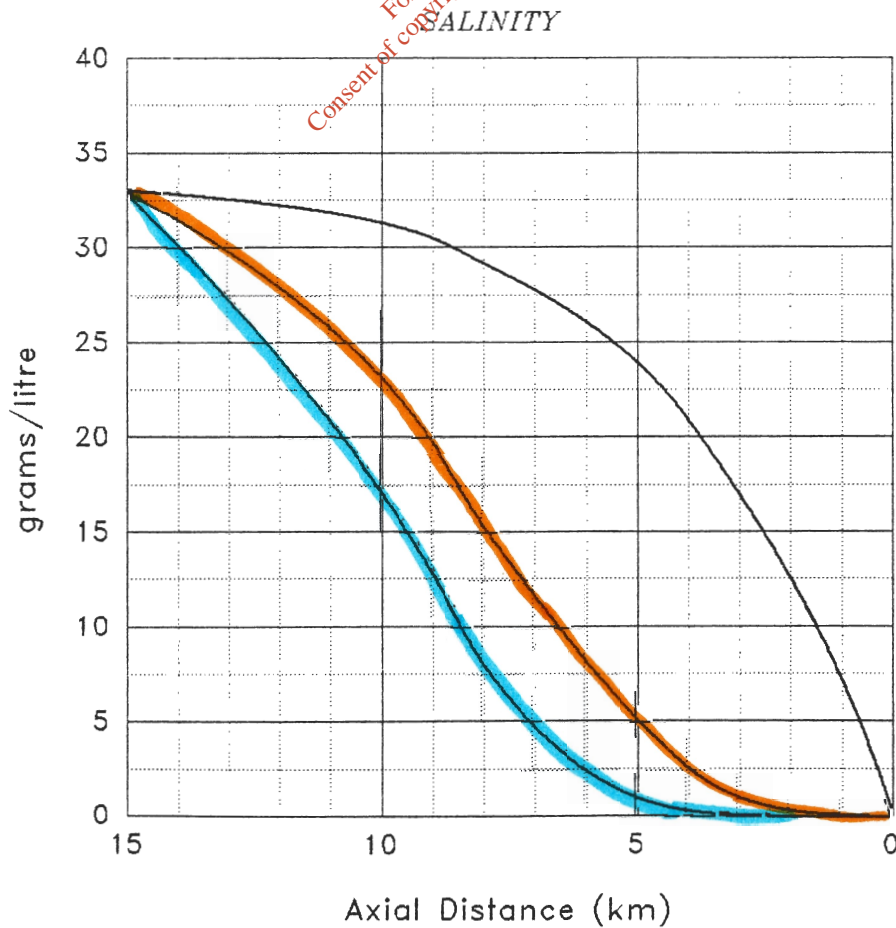
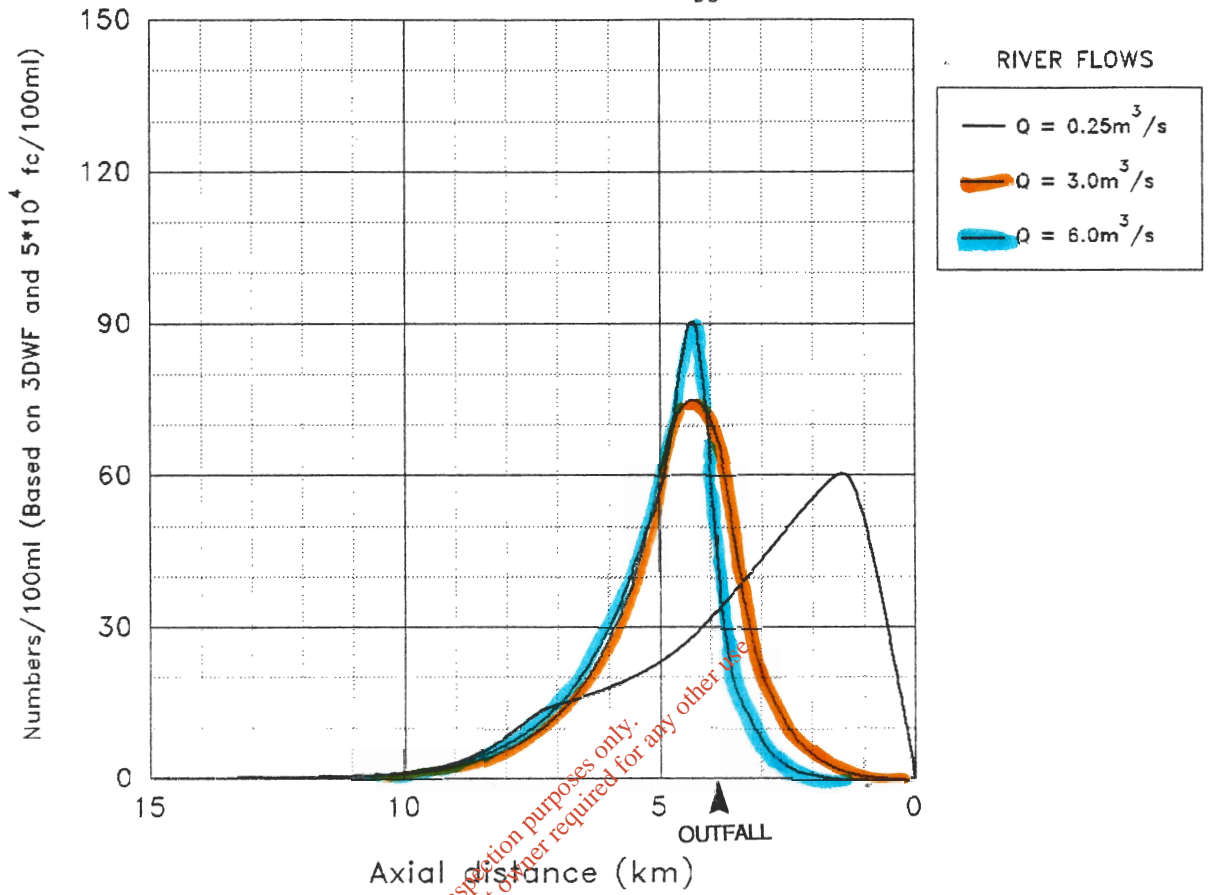


FIGURE 5.2

SKIBBERREEN SEWERAGE SCHEME

TIDALLY AVERAGED MODEL PREDICTIONS

BACTERIAL CONCENTRATION ($T_{90}=6hr$)



For inspection purposes only.
 Consent of copyright owner required for any other use.

FIGURE 5.3

