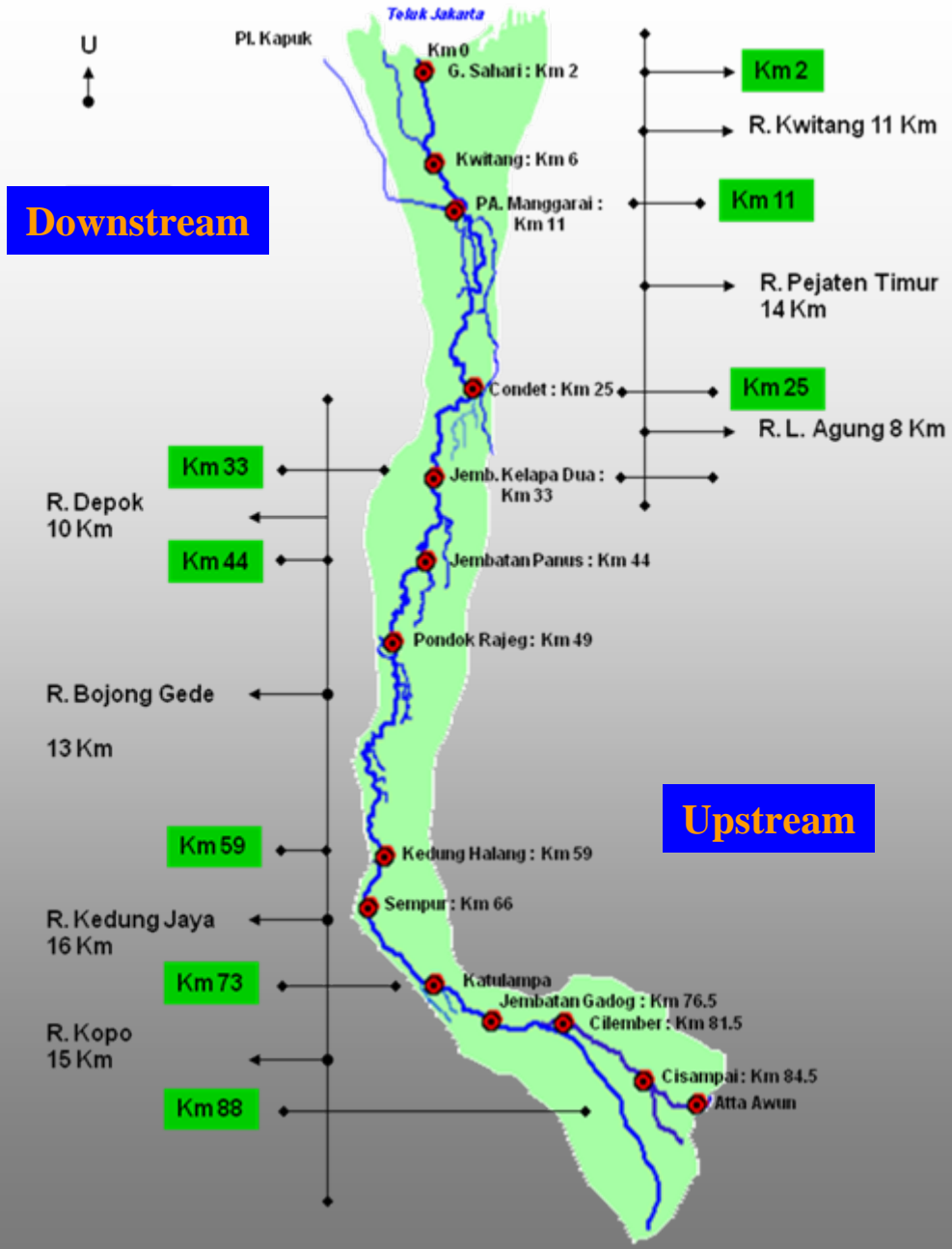


From Data to Policy (Ciliwung River Water Quality Management)



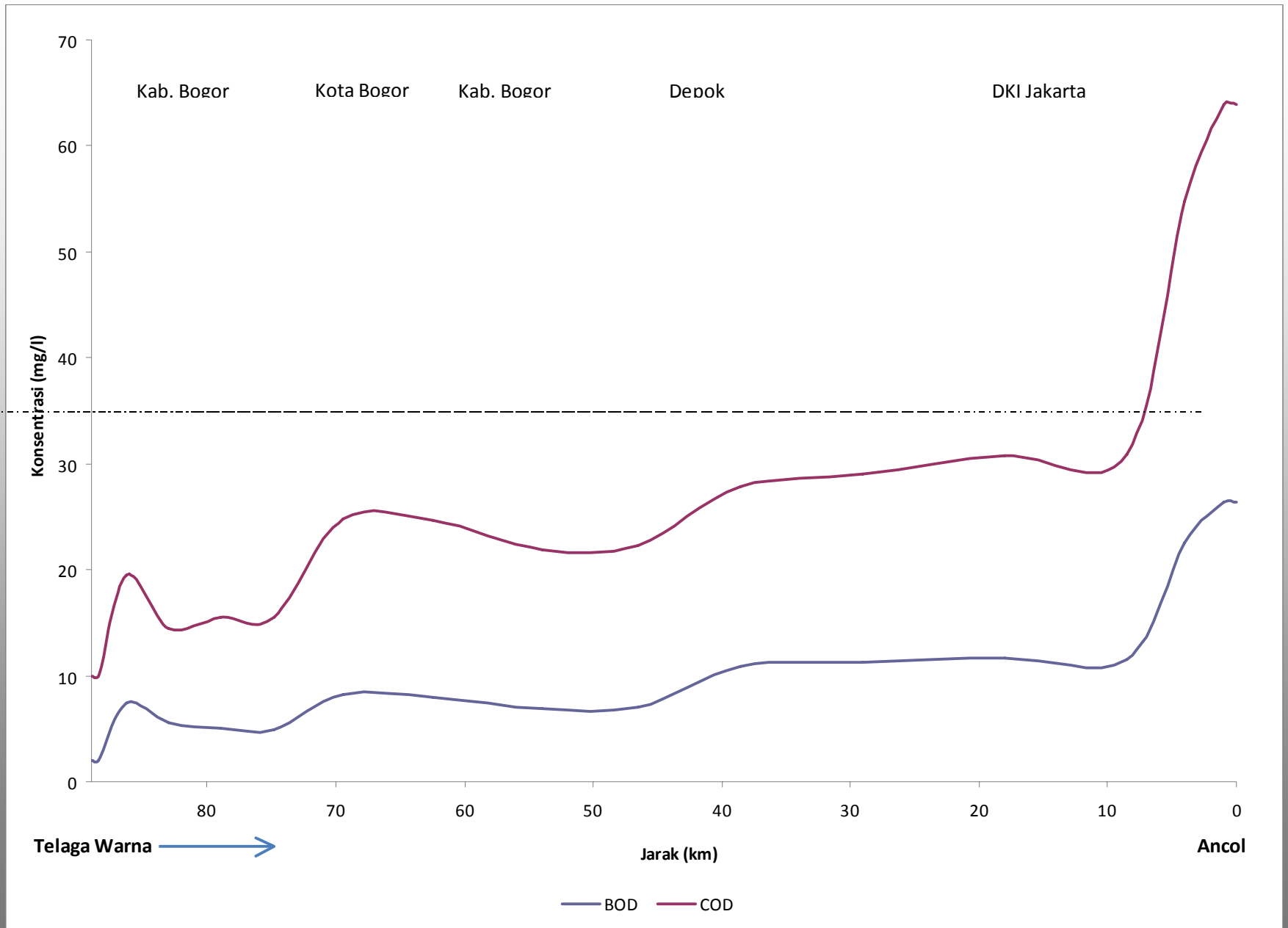
The State Ministry of Environment
To The Republic of Indonesia
2008



Ciliwung River

- 347km²
- 2 Province

The Water Quality Tendencies for BOD and COD Parameters



Expected Load Distribution on BOD and COD

No	Segment	Assimilated capacity (kg/Hour)		Remarks
		BOD	COD	
1	Bogor District	2.592	6.678	Segment 1 (Telaga Warna - Katulampa)
2	Bogor City	2.970	7.920	Segment 2 (Katulampa - Kedunghalang)
3	Bogor District	180	360	Segment 3 (Kedunghalang - Jembatan Panus)
4	Depok City	4.680	7.560	Segment 4 (Jembatan Panus - Kelapa Dua)
5	Jakarta City	23.400	51.300	Segment 5 (Kelapa Dua - Ancol)
Total		33.822	73.818	

The estimated location of the waste sources and other sources in Ciliwung River

No	Location (Km)	Load (Kg/Hour)		Remarks
		BOD	COD	
1	88	1.800	3.960	Point Source
2	85	216	432	Flushing
3	82	288	576	Flushing
4	78	108	1.350	Flushing
5	72	810	3.240	Point Source
6	67	2.160	4.680	Point Source
7	60	180	360	Flushing
8	34	3.600	5.760	Point Source
9	25	540	2.160	Point Source
10	6	6.480	12.960	Point Source
11	49 - 35	1.080	1.800	Non Point Source
12	33 - 28	1.080	2.160	Non Point Source
13	20 - 10	1.800	2.520	Non Point Source
14	5 - 0	13.500	31.500	Non Point Source

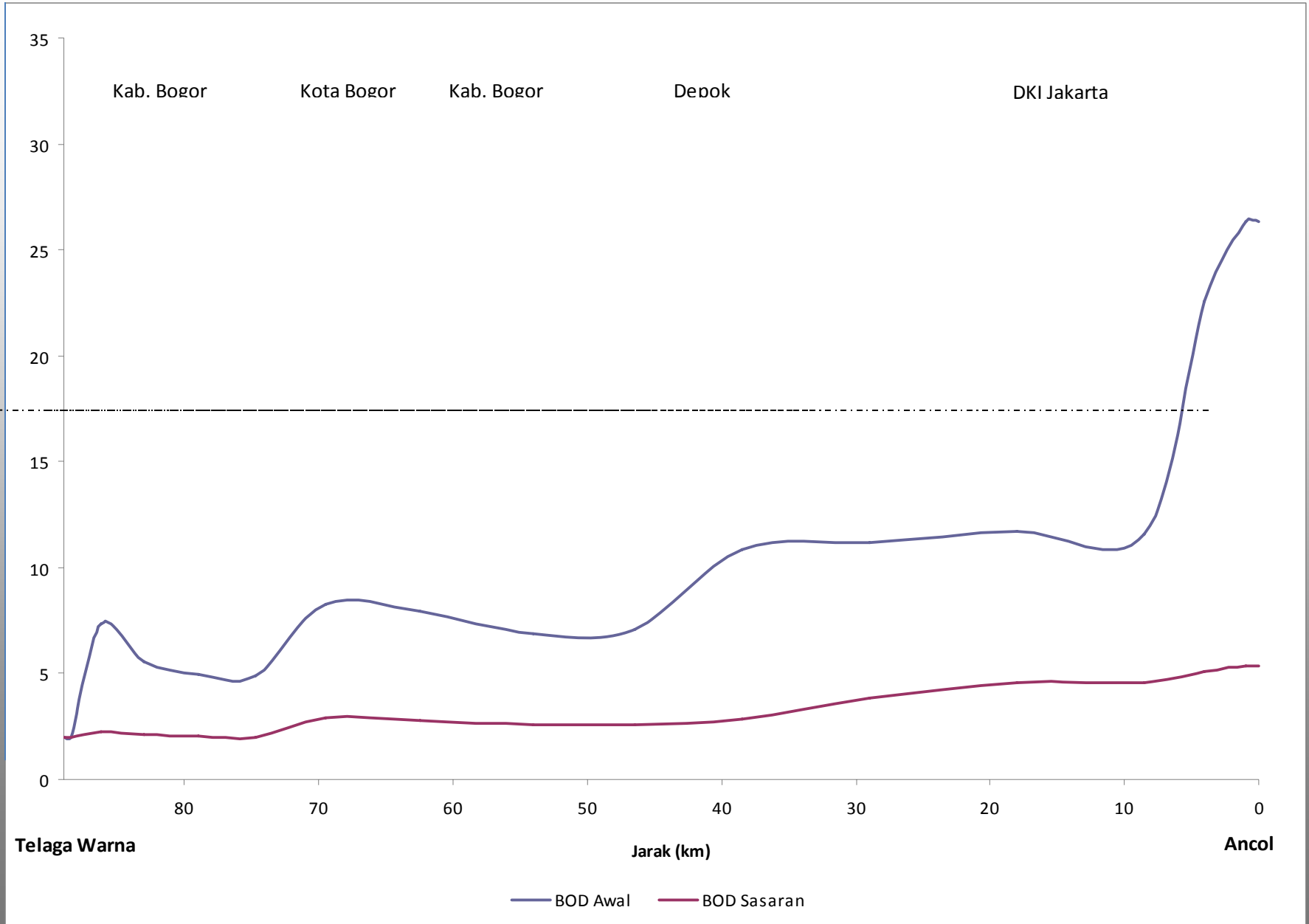
Target Water Classification

No.	Segment	Water Classification
1.	Bogor District (Upstream)	I
2.	Bogor City	II
3.	Bogor District (Downstream)	II
4.	Depok City	II
5.	Jakarta City	III

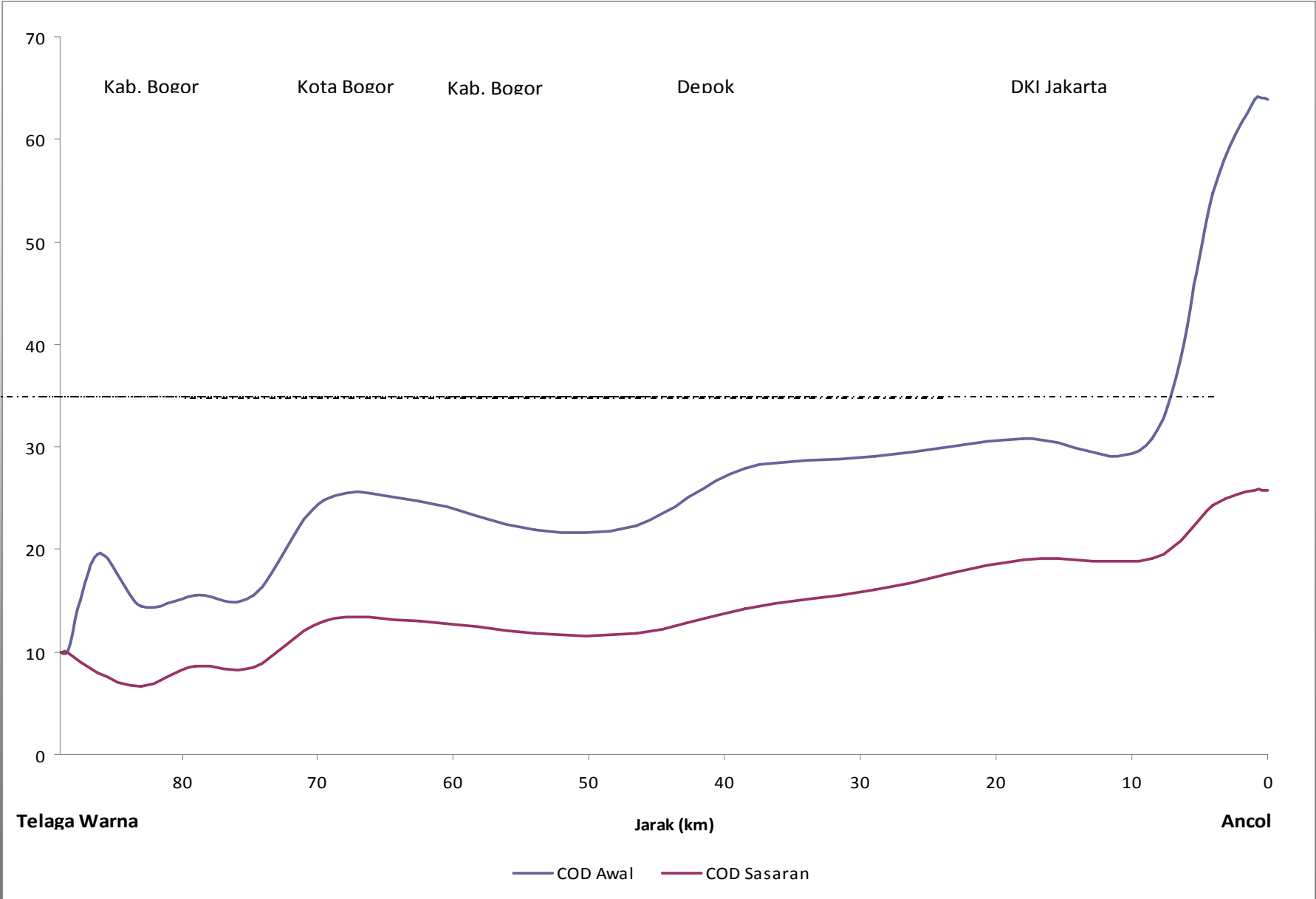
BOD and COD Pollution Assimilated Capacity

No	Segment	Assimilated capacity (kg/Hour)		Remarks
		BOD	COD	
1	Bogor District	792	3.114	Segment 1 (Telaga Warna - Katulampa)
2	Bogor City	891	3.960	Segment 2 (Katulampa - Kedunghalang)
3	Bogor District	180	360	Segment 3 (Kedunghalang - Jembatan Panus)
4	Depok City	684	3.420	Segment 4 (Jembatan Panus - Kelapa Dua)
5	Jakarta City	4.518	1.8324	Segment 5 (Kelapa Dua - Ancol)
Total		7.065	2.9178	

Water Quality Based on Class target for BOD Parameters



Water Quality Based on Class target for COD Parameters



Load to Decrease

No.	Segment	Load Decrease (%)	
		BOD	COD
1	Bogor District (Upsteram)	69%	53%
2	Bogor City	70%	50%
3	Bogor District (Downsteram)	0%	0%
4	Depok City	85%	55%
5	Jakarta City	81%	64%
	Total	79%	60%

Thank You