

SEEA Water exercise on physical supply and use tables

Cola City, Cow Town and Capital Harbor.

Example Physical water supply and use around Cola City.

1. Supply-use tables
2. Diagram

Physical use table

		Industries (by ISIC categories)						Physical units	
		11	35	36	37	49	Total	Households	Total
From the environment	U1 - Total abstraction (=a.1+a.2= b.1+b.2):	150	100					6	256
	a.1- Abstraction for own use	150	1					6	157
	a.2- Abstraction for distribution		99						99
	b.1- From water resources:								
	Surface water	150	100					6	256
	Groundwater								
	Soil water								
b.2- From other sources									
	Collection of precipitation								
	Abstraction from the sea								
Within the economy	U2 - Use of water received from other economic units	48	2	0	26	4	80	26	106
	<i>of which</i> : Wastewater to sewerage				26		26		26
U=U1+U2 - Total use of water		48	152	100	26	4	330	32	362

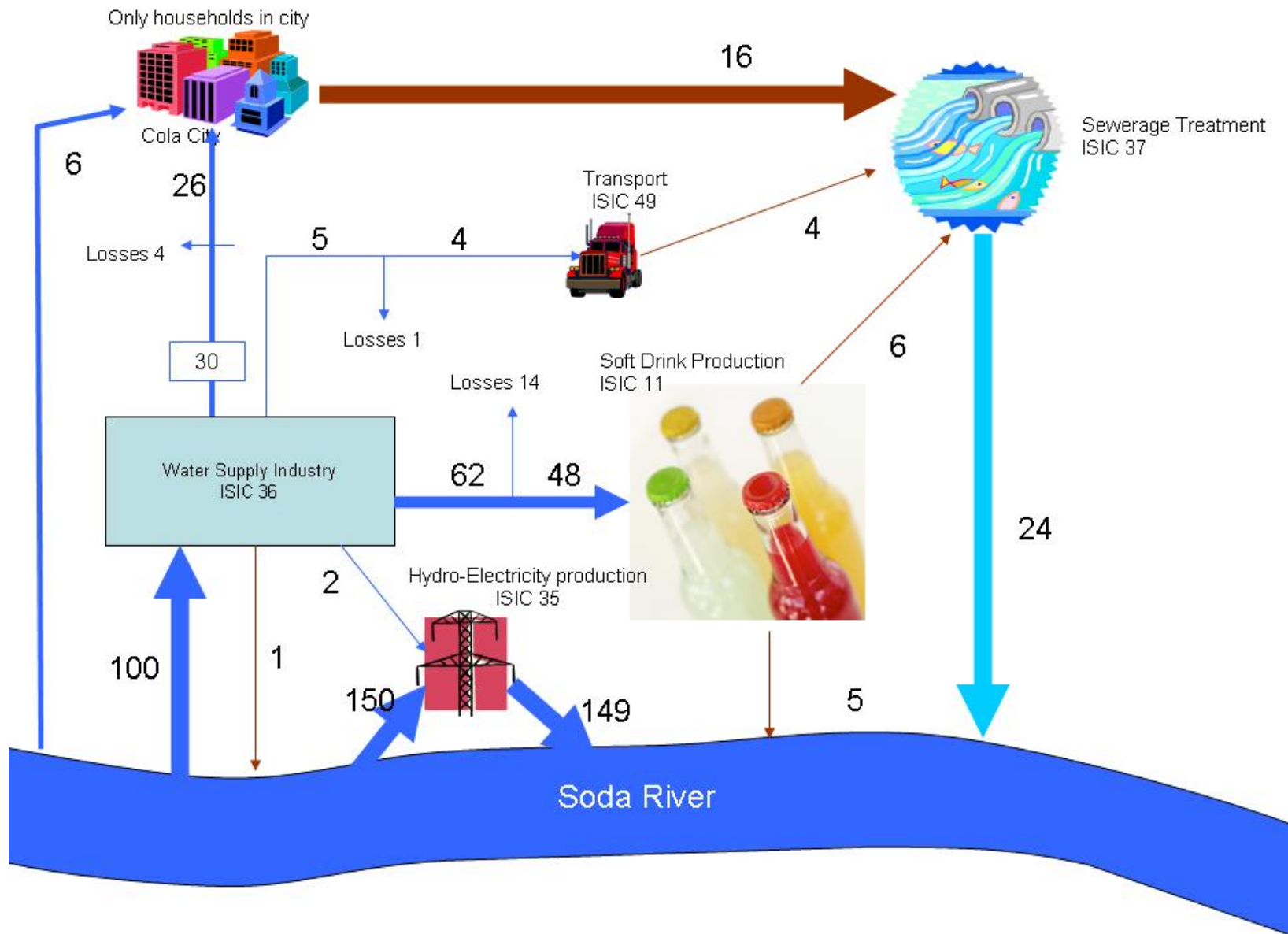
Physical supply table

		Industries (by ISIC categories)						Physical units	
		11	35	36	37	49	Total	Households	Total
Within the economy	S1 - Supply of water to other economic units	6	0	80	0	4	90	16	106
	<i>of which</i> : Reused water Wastewater to sewerage	6	0	0	0	4	10	16	26
To the environment	S2 - Total returns (= d.1+d.2)	5	149	20	24	0	198	0	198
	d.1- To water resources								
	Surface water	5	149	20	24	0	198	0	198
	Groundwater								
	Soil water								
	d.2- To other sources (e.g. Sea water)								
S - Total supply of water (= S1+S2)		11	149	100	24	4	288	16	304
Consumption (U - S)		37	3	0	2	0	42	16	58

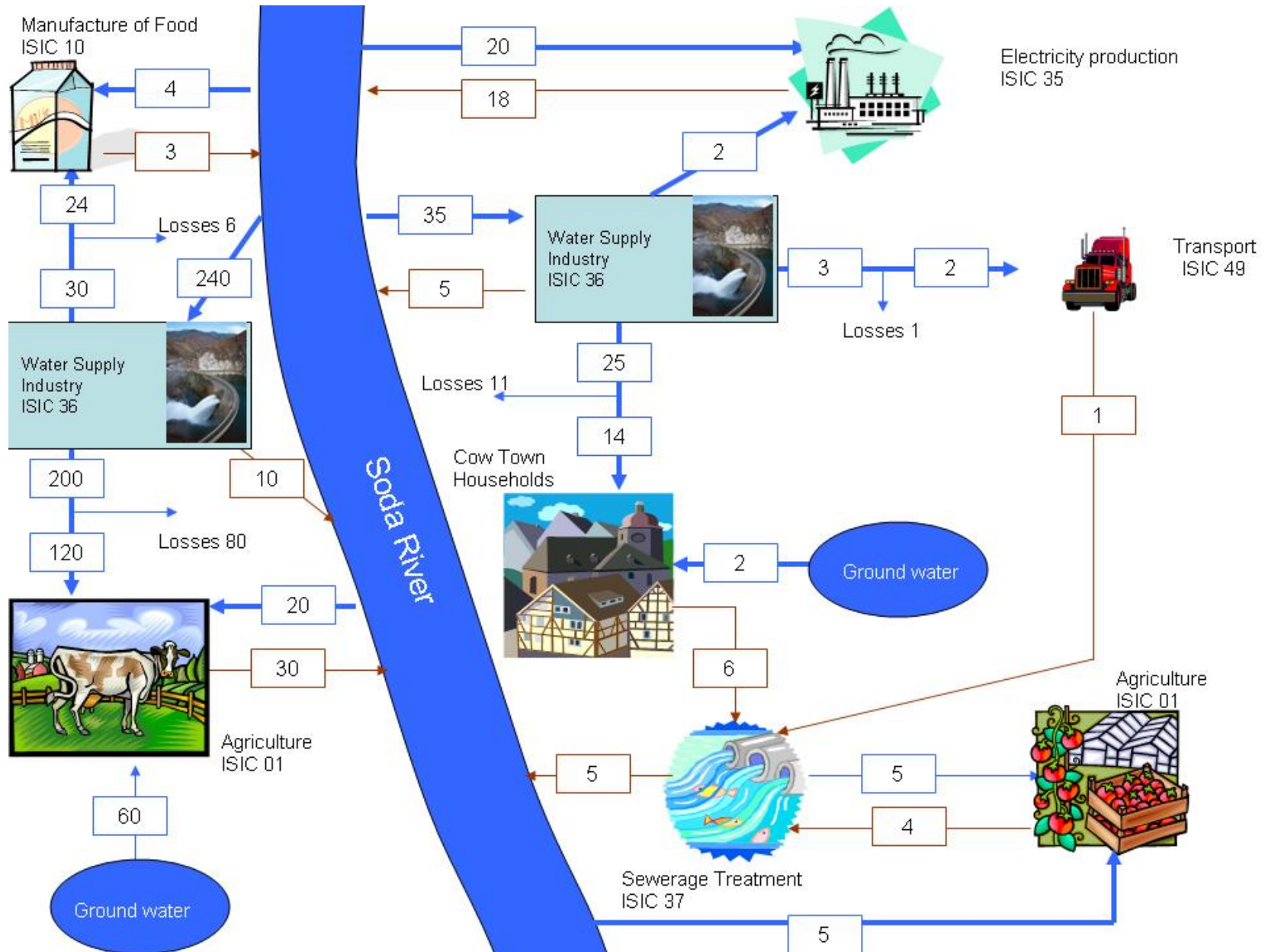
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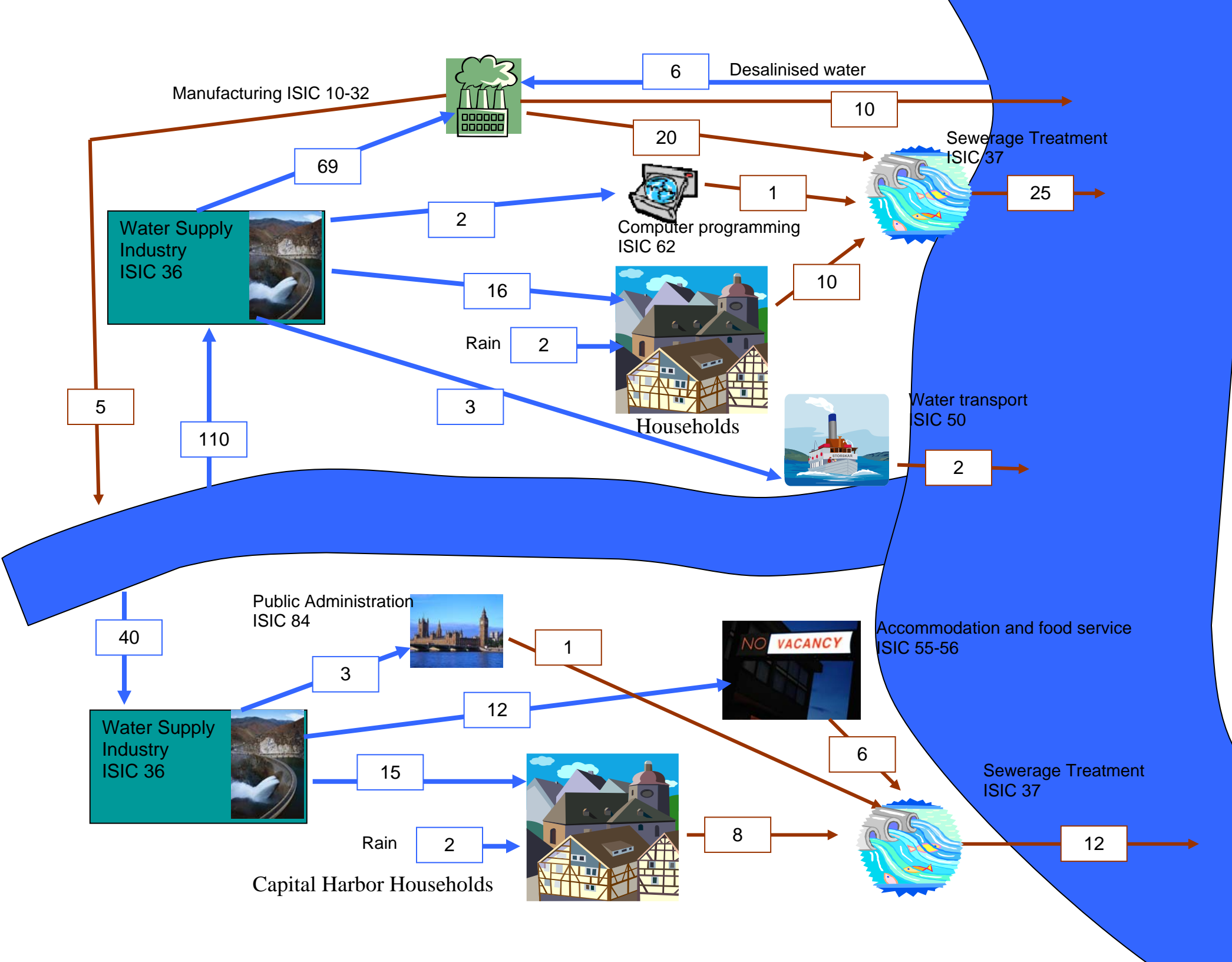
Assumes all losses are returned to surface water resources. Includes losses of 19 (1+4+14) + 1 direct return

Cola City



Cow Town





Capital Harbor		Industries (by ISIC categories)									Household	Total	
		1	10 to 32	35	36	37	50	55-56	62	84			Total
From the environment	b.1+b.2):												
	a.1- Abstraction for own use												
	a.2- Abstraction for distribution												
	b.1- From water resources:												
	Surface water												
	Groundwater												
	Soil water												
b.2- From other sources													
Collection of precipitation													
Abstraction from the sea													
Within the economy	U2 - Use of water received from other economic units <i>of which: Wastewater to sewerage</i>												
U - Total use of water (=U1+U2)													

Physical supply table

Capital Harbor		Industries (by ISIC categories)									Physical units		
		1	10 to 32	35	36	37	50	55-56	62	84	Total	Households	Total
Within the economy	units <i>of which</i> : Reused water Wastewater to sewerage												
To the environment	S2 - Total returns (= d.1+d.2)												
	d.1- To water resources												
	Surface water												
	Groundwater												
	Soil water												
	d.2- To other sources (e.g. Sea water)												
S - Total supply of water (= S1+S2)													
Consumption (U - S)													

Be careful losses are not shown explicitly for the water supply industry. The must be inferred!