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

								Phys	sical unit
				si					
		11	35	36	37	49	Total	Households	Total
	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:								
From the	Surface water		150	100				6	256
environment	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
	of which: Wastewater to sewerage				26		26		26
U=U1+U2 - T o	48	152	100	26	4	330	32	362	

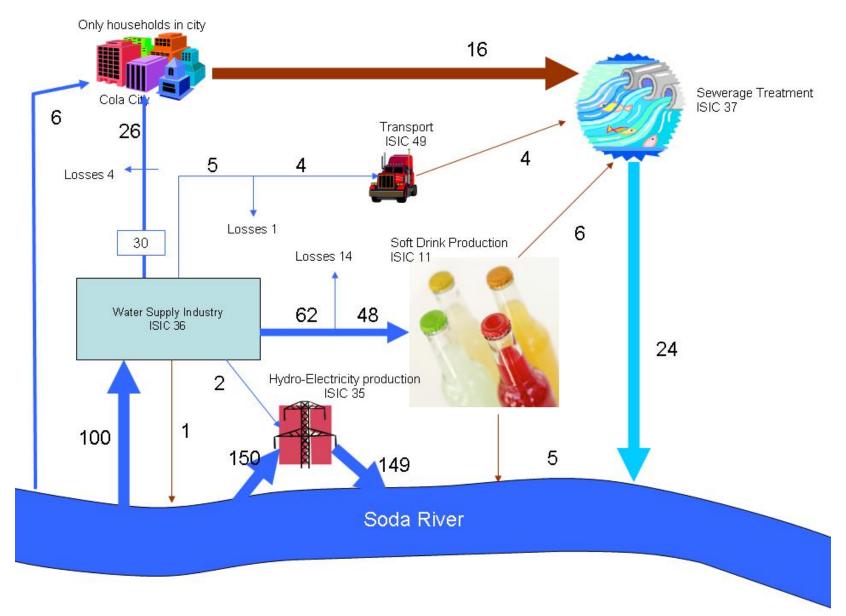
Physical supply table

								Phys	sical units
			si						
		11	35	36	37	49	Total	Households	Total
Within the	S1 - Supply of water to other economic units	6	0	80	0	4	90	16	106
economy	of which: Reused water								
coonomy	Wastewater to sewerage	6	0	0	0	4	10	16	26
	S2 - Total returns (= d.1+d.2)	5	149	20	24	0	198	0	198
	d.1- To water resources								
To the	Surface water	5	149	20	24	0	198	0	198
environment	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)			3	0	2	0	42	16	58

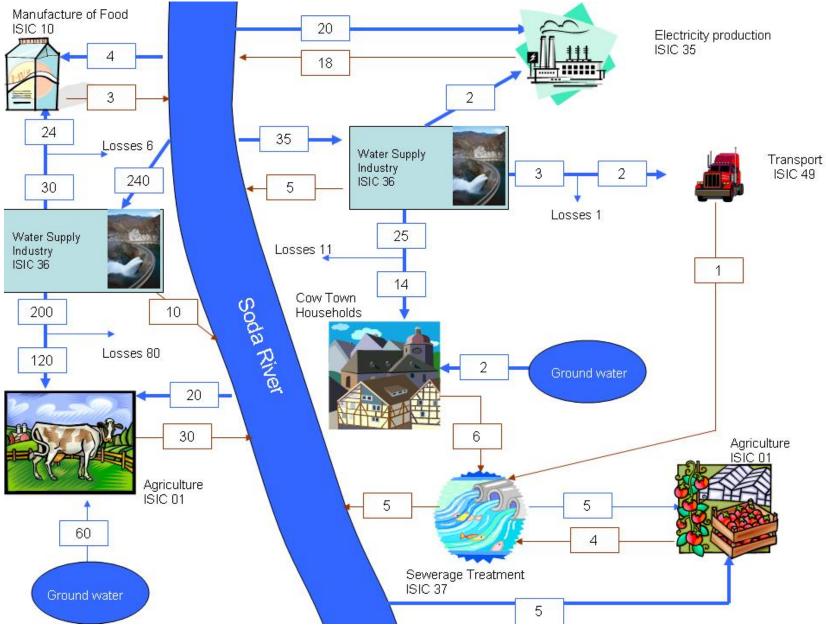
United Nations:

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

Cola City



Cow Town



Exercise: Use the diagrams showing the physical water supply and use around Cow Town and in Capital Harbor to fill in the physical supply-use tables.

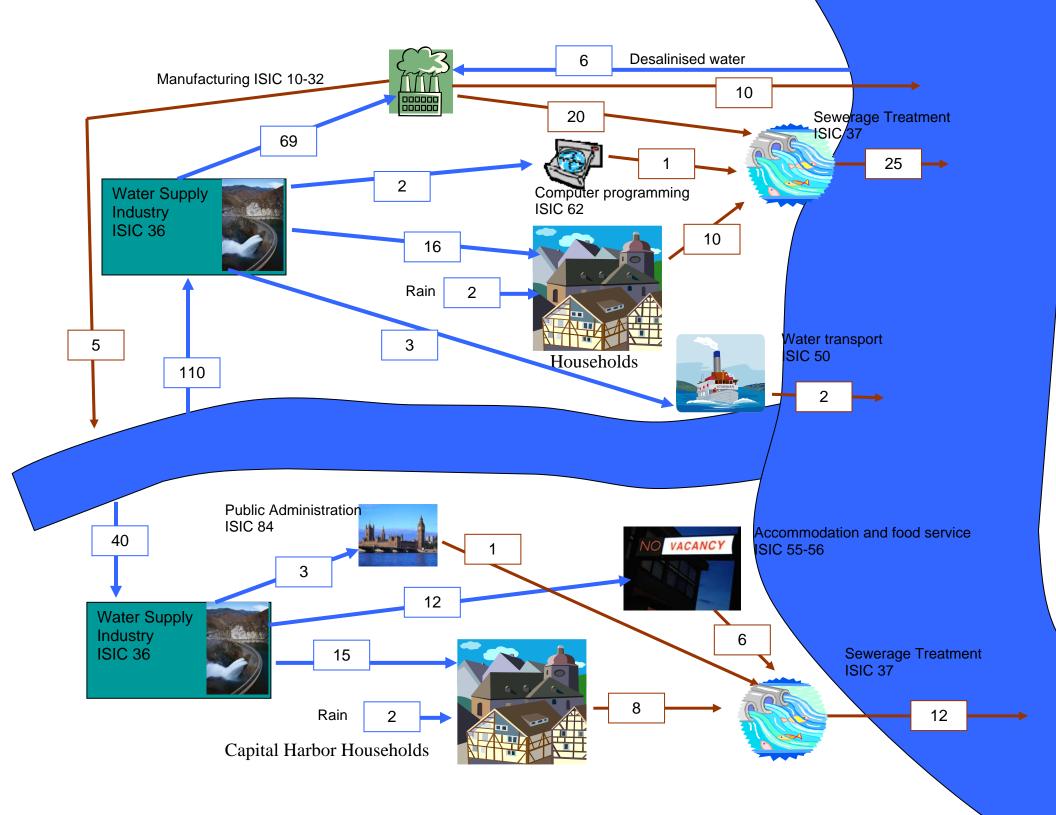
Cow Town

Physical use table

	1 hysic	ai use	labic							
									Physic	al units
)	bld						
		1	10	35	36	37	49	Total	Household s	Total
	U1 - Total abstraction ($=a.1+a.2=b.1+b.2$):									
	a.1- Abstraction for own use									
	a.2- Abstraction for distribution									
	b.1- From water resources:									
From the	Surface water									
environment	Groundwater									
	Soil water									
	b.2- From other sources									
	Collection of precipitation									
	Abstraction from the sea									
Within the	02 - Use of water received from other									
economv	economic units									
	of which : Wastewater to sewerage									
U=U1+U2 - '	Fotal use of water									

Physical supply table

	1 11/0100									
										al units
				Industri	es (by I	SIC cat	egories)	bld	
		1	10	35	36	37	49) Total	Househo s	Total
Within the	S1 - Supply of water to other economic units									
	of which: Reused water									
economy	Wastewater to sewerage									
	S2 - Total returns (= $d.1+d.2$)									
	d.1- To water resources									
To the	Surface water									
environment	Groundwater									
	Soil water									
	d.2- To other sources (e.g. Sea water)									
S - Total supply of water (= S1+S2)										



Capital Harbor		Industries (by ISIC categories)											
		1	10 to 32	35	36	37	50	55-56	62	84	Total	Househo	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 												
	U2 - Use of water received from other economic units of which: Wastewater to sewerage												
U - Total use of water (=U1+U2)													

Physical supply table

]	Physical units
			ds										
Capital Harbor		1	10 to 32	35	36	37	50	55-56	62	84	Total	usehol	Total
Within the	units												
economy	of which : Reused water												
	Wastewater to sewerage												
	S2 - Total returns (= $d.1+d.2$)												
ent	d.1- To water resources												
To the vironme	Surface water												
To viro	Groundwater												
env	Soil water												
	d.2- To other sources (e.g. Sea water)												
	S - Total supply of water (= S1+S2)												
Consumpti	on (U - S)												

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