MUSIC-*link* Report

Project Details		Company Details	
Project:		**Company:**	
Report Export Date:	29/01/2024	**Contact:**	
Catchment Name:	Receiving Node	**Address:**	
Catchment Area:	2.1193ha	**Phone:**	
Impervious Area*:	75.6490350587458%	**Email:**	
Rainfall Station:			
Modelling Time-step:	Six minutes		
Modelling Period:	01/01/74 - 31/12/1993 11:54:00 PM		
Mean Annual Rainfall:	1296.513mm		
Evapotranspiration:	1261.206mm		
MUSICX Version:	1.1.0.11940 (5.0.3.11940)		
MUSIC-link data Version:	3.8		
Study Area:	Central Coast Council		
Scenario:	Central Coast Development		

* takes into account area from all source nodes that link to the chosen reporting node, excluding Import Data Nodes

Treatment Train Effectiveness		Treatment Nodes		Source Nodes	
Node:	**Reduction**	**Node Type**	**Number**	**Node Type**	**Number**
Flow	-0.005%	Generic Treatment Nodes	4	Urban_Roof Nodes	4
TSS	86.386%	Swale Nodes	3	Urban_SealedRoad Nodes	4
TP	61.639%			Urban_Mixed Nodes	8
TN	45.111%				
GP	93.291%				

Comments

Passing Parameters

Node Type	Node Name	Parameter	Min	Max	Actual
Generic	1-JellyFish JF2250-10-2	High Flow Bypass	None	99	0.055 m³/s
Generic	1-OceanSave OS-0606	High Flow Bypass	None	99	0.028 m³/s
Generic	2-JellyFish JF2250-8-2	High Flow Bypass	None	99	0.045 m³/s
Generic	2-OceanSave OS-0606	High Flow Bypass	None	99	0.028 m³/s
Receiving	Receiving Node	Flow Reduction	None	None	-0.005 %
Receiving	Receiving Node	GP Reduction	90	None	93.291 %
Receiving	Receiving Node	TN Reduction	45	None	45.111 %
Receiving	Receiving Node	TP Reduction	45	None	61.639 %
Receiving	Receiving Node	TSS Reduction	80	None	86.386 %
Swale	Swale 1	Bed Slope	0.02	0.05	0.02
Swale	Swale 2	Bed Slope	0.02	0.05	0.02
Swale	Swale 3	Bed Slope	0.02	0.05	0.02
Urban_Mixed	BYPASS 1 - landscape - (mixed) - 0.0375ha - 10% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_Mixed	BYPASS 1 - landscape - (mixed) - 0.0375ha - 10% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Mixed	BYPASS 1 - landscape - (mixed) - 0.0375ha - 10% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_Mixed	BYPASS 1 - landscape - (mixed) - 0.0375ha - 10% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.6	-0.6	-0.6
Urban_Mixed	BYPASS 1 - landscape - (mixed) - 0.0375ha - 10% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_Mixed	BYPASS 1 - landscape - (mixed) - 0.0375ha - 10% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.15	2.15	2.15
Urban_Mixed	BYPASS 3 - landscape - (mixed) - 0.0147ha - 10% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_Mixed	BYPASS 3 - landscape - (mixed) - 0.0147ha - 10% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Mixed	BYPASS 3 - landscape - (mixed) - 0.0147ha - 10% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_Mixed	BYPASS 3 - landscape - (mixed) - 0.0147ha - 10% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.6	-0.6	-0.6
Urban_Mixed	BYPASS 3 - landscape - (mixed) - 0.0147ha - 10% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_Mixed	BYPASS 3 - landscape - (mixed) - 0.0147ha - 10% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.15	2.15	2.15
Urban_Mixed	BYPASS 5 - landscape - (mixed) - 0.0273ha - 10% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_Mixed	BYPASS 5 - landscape - (mixed) - 0.0273ha - 10% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3

Node Type	Node Name	Parameter	Min	Max	Actual
Urban_Mixed	BYPASS 5 - landscape - (mixed) - 0.0273ha - 10% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_Mixed	BYPASS 5 - landscape - (mixed) - 0.0273ha - 10% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.6	-0.6	-0.6
Urban_Mixed	BYPASS 5 - landscape - (mixed) - 0.0273ha - 10% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_Mixed	BYPASS 5 - landscape - (mixed) - 0.0273ha - 10% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.15	2.15	2.15
Urban_Mixed	WQ1c - landscape - (mixed) - 0.0101ha - 10% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_Mixed	WQ1c - landscape - (mixed) - 0.0101ha - 10% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Mixed	WQ1c - landscape - (mixed) - 0.0101ha - 10% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_Mixed	WQ1c - landscape - (mixed) - 0.0101ha - 10% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.6	-0.6	-0.6
Urban_Mixed	WQ1c - landscape - (mixed) - 0.0101ha - 10% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_Mixed	WQ1c - landscape - (mixed) - 0.0101ha - 10% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.15	2.15	2.15
Urban_Mixed	WQ1d - landscape - (mixed) - 0.2041ha - 10% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_Mixed	WQ1d - landscape - (mixed) - 0.2041ha - 10% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Mixed	WQ1d - landscape - (mixed) - 0.2041ha - 10% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_Mixed	WQ1d - landscape - (mixed) - 0.2041ha - 10% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.6	-0.6	-0.6

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Node Type	Node Name	Parameter	Min	Max	Actual
Urban_Mixed	WQ1d - landscape - (mixed) - 0.2041ha - 10% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_Mixed	WQ1d - landscape - (mixed) - 0.2041ha - 10% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.15	2.15	2.15
Urban_Mixed	WQ1e - landscape - (mixed) - 0.1469ha - 10% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_Mixed	WQ1e - landscape - (mixed) - 0.1469ha - 10% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Mixed	WQ1e - landscape - (mixed) - 0.1469ha - 10% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_Mixed	WQ1e - landscape - (mixed) - 0.1469ha - 10% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.6	-0.6	-0.6
Urban_Mixed	WQ1e - landscape - (mixed) - 0.1469ha - 10% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_Mixed	WQ1e - landscape - (mixed) - 0.1469ha - 10% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.15	2.15	2.15
Urban_Mixed	WQ2e - footpath - (mixed) - 0.0208ha - 90% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_Mixed	WQ2e - footpath - (mixed) - 0.0208ha - 90% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Mixed	WQ2e - footpath - (mixed) - 0.0208ha - 90% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_Mixed	WQ2e - footpath - (mixed) - 0.0208ha - 90% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.6	-0.6	-0.6
Urban_Mixed	WQ2e - footpath - (mixed) - 0.0208ha - 90% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_Mixed	WQ2e - footpath - (mixed) - 0.0208ha - 90% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.15	2.15	2.15
Urban_Mixed	WQ2f - landscape - (mixed) - 0.1305ha - 10% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_Mixed	WQ2f - landscape - (mixed) - 0.1305ha - 10% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Mixed	WQ2f - landscape - (mixed) - 0.1305ha - 10% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_Mixed	WQ2f - landscape - (mixed) - 0.1305ha - 10% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.6	-0.6	-0.6
Urban_Mixed	WQ2f - landscape - (mixed) - 0.1305ha - 10% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_Mixed	WQ2f - landscape - (mixed) - 0.1305ha - 10% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.15	2.15	2.15
Urban_Roof	WQ1a - bus parking - (roof) - 0.2767ha - 100% impervious	Nitrogen Constituents.Base Flow.Mean	0.32	0.32	0.32
Urban_Roof	WQ1a - bus parking - (roof) - 0.2767ha - 100% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Roof	WQ1a - bus parking - (roof) - 0.2767ha - 100% impervious	Phosphorus Constituents.Base Flow.Mean	-0.82	-0.82	-0.82
Urban_Roof	WQ1a - bus parking - (roof) - 0.2767ha - 100% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.89	-0.89	-0.89
Urban_Roof	WQ1a - bus parking - (roof) - 0.2767ha - 100% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.1	1.1	1.1
Urban_Roof	WQ1a - bus parking - (roof) - 0.2767ha - 100%	Total Suspended Solids Constituents.Storm	1.3	1.3	1.3

Node Type	Node Name	Parameter	Min	Max	Actual
Urban_Roof	WQ2a - building 1 - (roof) - 0.2349ha - 100% impervious	Nitrogen Constituents.Base Flow.Mean	0.32	0.32	0.32
Urban_Roof	WQ2a - building 1 - (roof) - 0.2349ha - 100% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Roof	WQ2a - building 1 - (roof) - 0.2349ha - 100% impervious	Phosphorus Constituents.Base Flow.Mean	-0.82	-0.82	-0.82
Urban_Roof	WQ2a - building 1 - (roof) - 0.2349ha - 100% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.89	-0.89	-0.89
Urban_Roof	WQ2a - building 1 - (roof) - 0.2349ha - 100% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.1	1.1	1.1
Urban_Roof	WQ2a - building 1 - (roof) - 0.2349ha - 100% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	1.3	1.3	1.3
Urban_Roof	WQ2b - building 2 - (roof) - 0.0334ha - 100% impervious	Nitrogen Constituents.Base Flow.Mean	0.32	0.32	0.32
Urban_Roof	WQ2b - building 2 - (roof) - 0.0334ha - 100% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3
Urban_Roof	WQ2b - building 2 - (roof) - 0.0334ha - 100% impervious	Phosphorus Constituents.Base Flow.Mean	-0.82	-0.82	-0.82
Urban_Roof	WQ2b - building 2 - (roof) - 0.0334ha - 100% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.89	-0.89	-0.89
Urban_Roof	WQ2b - building 2 - (roof) - 0.0334ha - 100% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.1	1.1	1.1
Urban_Roof	WQ2b - building 2 - (roof) - 0.0334ha - 100% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	1.3	1.3	1.3
Urban_Roof	WQ2b - fuel bay - (roof) - 0.0117ha - 100% impervious	Nitrogen Constituents.Base Flow.Mean	0.32	0.32	0.32
Urban_Roof	WQ2b - fuel bay - (roof) - 0.0117ha - 100% impervious	Nitrogen Constituents.Storm Flow.Mean	0.3	0.3	0.3

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Node Type	Node Name	Parameter	Min	Max	Actual
Urban_Roof	WQ2b - fuel bay - (roof) - 0.0117ha - 100% impervious	Phosphorus Constituents.Base Flow.Mean	-0.82	-0.82	-0.82
Urban_Roof	WQ2b - fuel bay - (roof) - 0.0117ha - 100% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.89	-0.89	-0.89
Urban_Roof	WQ2b - fuel bay - (roof) - 0.0117ha - 100% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.1	1.1	1.1
Urban_Roof	WQ2b - fuel bay - (roof) - 0.0117ha - 100% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	1.3	1.3	1.3
Urban_SealedRoad	BYPASS 2 - driveway- (sealed road) - 0.0378ha - 100% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_SealedRoad	BYPASS 2 - driveway- (sealed road) - 0.0378ha - 100% impervious	Nitrogen Constituents.Storm Flow.Mean	0.34	0.34	0.34
Urban_SealedRoad	BYPASS 2 - driveway- (sealed road) - 0.0378ha - 100% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_SealedRoad	BYPASS 2 - driveway- (sealed road) - 0.0378ha - 100% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.3	-0.3	-0.3
Urban_SealedRoad	BYPASS 2 - driveway- (sealed road) - 0.0378ha - 100% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_SealedRoad	BYPASS 2 - driveway- (sealed road) - 0.0378ha - 100% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.43	2.43	2.43
Urban_SealedRoad	BYPASS 4 - driveway- (sealed road) - 0.0148ha - 100% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_SealedRoad	BYPASS 4 - driveway- (sealed road) - 0.0148ha - 100% impervious	Nitrogen Constituents.Storm Flow.Mean	0.34	0.34	0.34
Urban_SealedRoad	BYPASS 4 - driveway- (sealed road) - 0.0148ha - 100% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_SealedRoad	BYPASS 4 - driveway- (sealed road) - 0.0148ha - 100% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.3	-0.3	-0.3
Urban_SealedRoad	BYPASS 4 - driveway- (sealed road) - 0.0148ha - 100% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_SealedRoad	BYPASS 4 - driveway- (sealed road) - 0.0148ha - 100% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.43	2.43	2.43
Urban_SealedRoad	WQ1b - hard stand - (sealed road) - 0.4872ha - 100% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_SealedRoad	WQ1b - hard stand - (sealed road) - 0.4872ha - 100% impervious	Nitrogen Constituents.Storm Flow.Mean	0.34	0.34	0.34
Urban_SealedRoad	WQ1b - hard stand - (sealed road) - 0.4872ha - 100% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_SealedRoad	WQ1b - hard stand - (sealed road) - 0.4872ha - 100% impervious	Phosphorus Constituents.Storm Flow.Mean	-0.3	-0.3	-0.3
Urban_SealedRoad	WQ1b - hard stand - (sealed road) - 0.4872ha - 100% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_SealedRoad	WQ1b - hard stand - (sealed road) - 0.4872ha - 100% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.43	2.43	2.43
Urban_SealedRoad	WQ2d - hard stand - (sealed road) - 0.4309ha - 100% impervious	Nitrogen Constituents.Base Flow.Mean	0.11	0.11	0.11
Urban_SealedRoad	WQ2d - hard stand - (sealed road) - 0.4309ha - 100% impervious	Nitrogen Constituents.Storm Flow.Mean	0.34	0.34	0.34
Urban_SealedRoad	WQ2d - hard stand - (sealed road) - 0.4309ha - 100% impervious	Phosphorus Constituents.Base Flow.Mean	-0.85	-0.85	-0.85
Urban_SealedRoad	WQ2d - hard stand - (sealed road) - 0.4309ha -	Phosphorus Constituents.Storm	-0.3	-0.3	-0.3

Node Type	Node Name	Parameter	Min	Max	Actual
Urban_SealedRoad	WQ2d - hard stand - (sealed road) - 0.4309ha - 100% impervious	Total Suspended Solids Constituents.Base Flow.Mean	1.2	1.2	1.2
Urban_SealedRoad	WQ2d - hard stand - (sealed road) - 0.4309ha - 100% impervious	Total Suspended Solids Constituents.Storm Flow.Mean	2.43	2.43	2.43

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1500