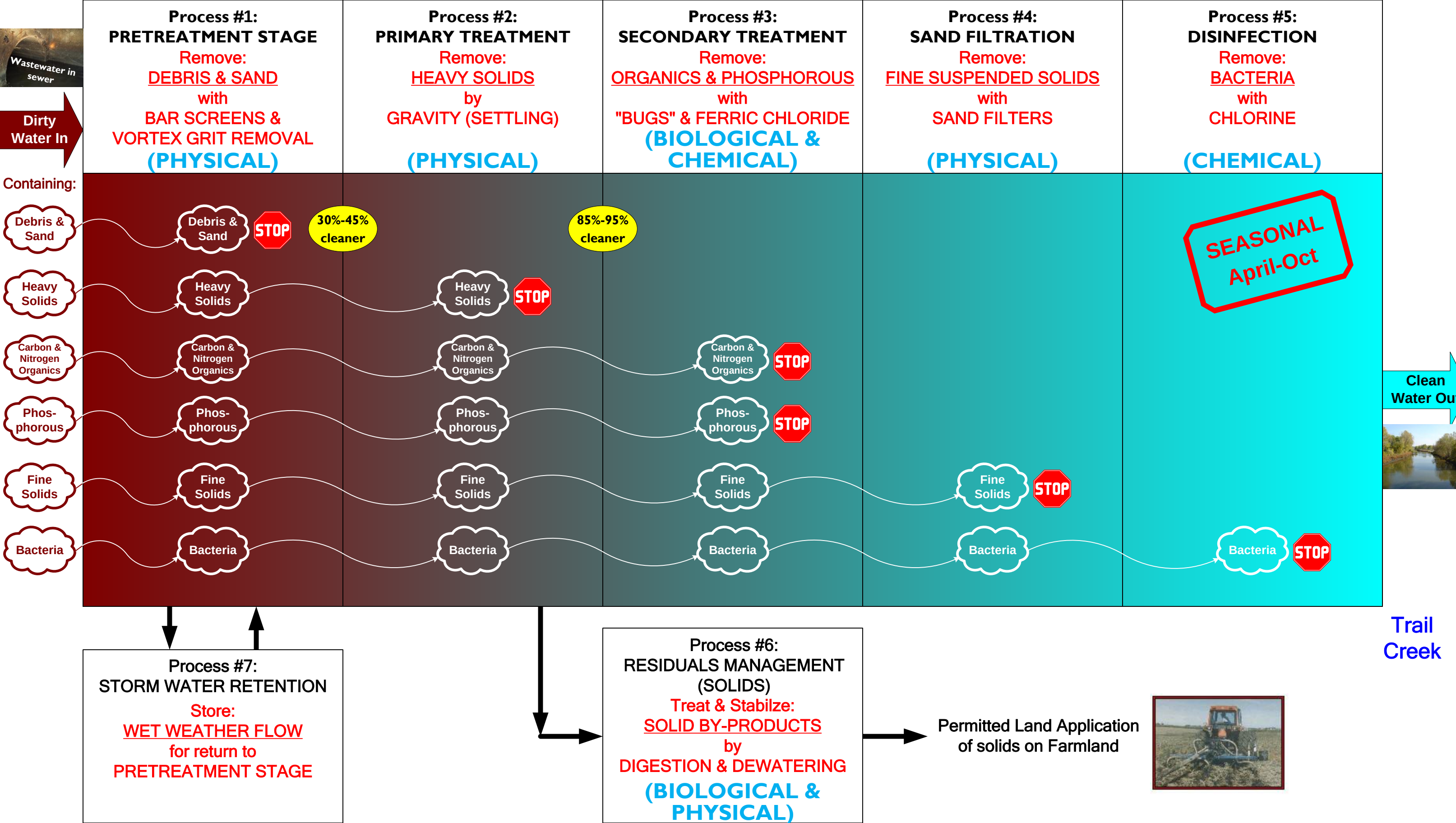
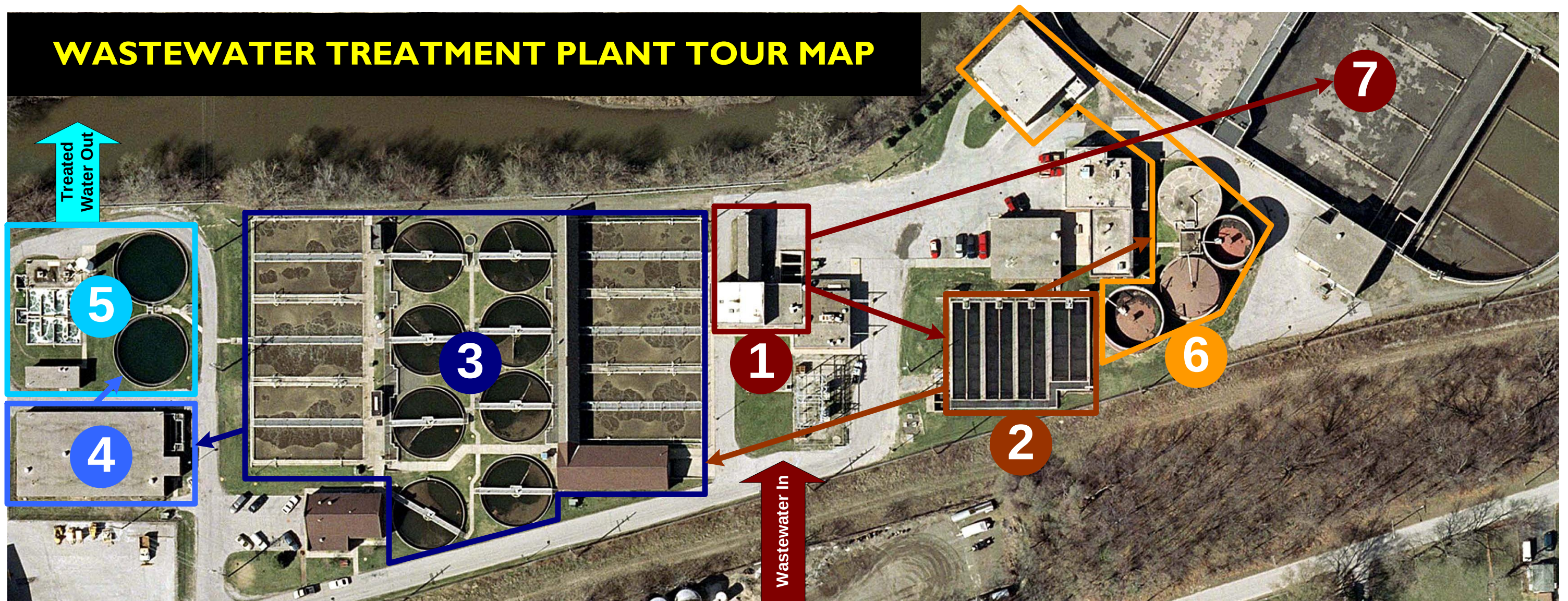


Summary of Wastewater Flow through the J.B. Gifford Wastewater Treatment Plant

There are three types of waste removal methods: **PHYSICAL, BIOLOGICAL & CHEMICAL**



WASTEWATER TREATMENT PLANT TOUR MAP



5

DISINFECTION

Disinfect:
BACTERIA
with
CHLORINE

(CHEMICAL)

2 Hours

4

SAND FILTRATION

Remove:
FINE SUSPENDED
SOLIDS
with
SAND FILTERS

(PHYSICAL)

½ Hour

3

SECONDARY TREATMENT

Remove:
ORGANICS &
PHOSPHOROUS
with
"BUGS" & FERRIC
CHLORIDE
(BIOLOGICAL
& CHEMICAL)

19 Hours

1

PRETREATMENT STAGE

Remove:
DEBRIS & SAND
with
BAR SCREENS &
VORTEX GRIT
REMOVAL

(PHYSICAL)

½ Hour

2

PRIMARY TREATMENT

Remove:
HEAVY SOLIDS
by
GRAVITY
(SETTLING)

(PHYSICAL)

2 Hours

6

RESIDUALS MANAGEMENT

Treat & Stabilize:
SOLID BY-
PRODUCTS
by
DIGESTION &
DEWATERING
(BIOLOGICAL
& PHYSICAL)

7

STORM WATER RETENTION

Store:
WET WEATHER
FLOW
for return to
PRETREATMENT
STAGE

24 Hours