# Control File Generating Tool

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# Control Files

- List of slots for data import/export
- Flat text format
- Specific formatting
  - Previously generated ‘by hand’

```
TruckeeAtWadsworth.Gage Outflow: file=~/%o.%s units=cfs scale=1 import=resize
TCanalAtWadsworth.Gage Outflow: file=~/%o.%s units=cfs scale=1 import=resize
TruckeeAtNixon.Gage Outflow: file=~/%o.%s units=cfs scale=1 import=resize
TruckeeNrTruckee.Gage Outflow: file=~/%o.%s units=cfs scale=1 import=resize
FaradGage.Gage Outflow: file=~/%o.%s units=cfs scale=1 import=resize
```

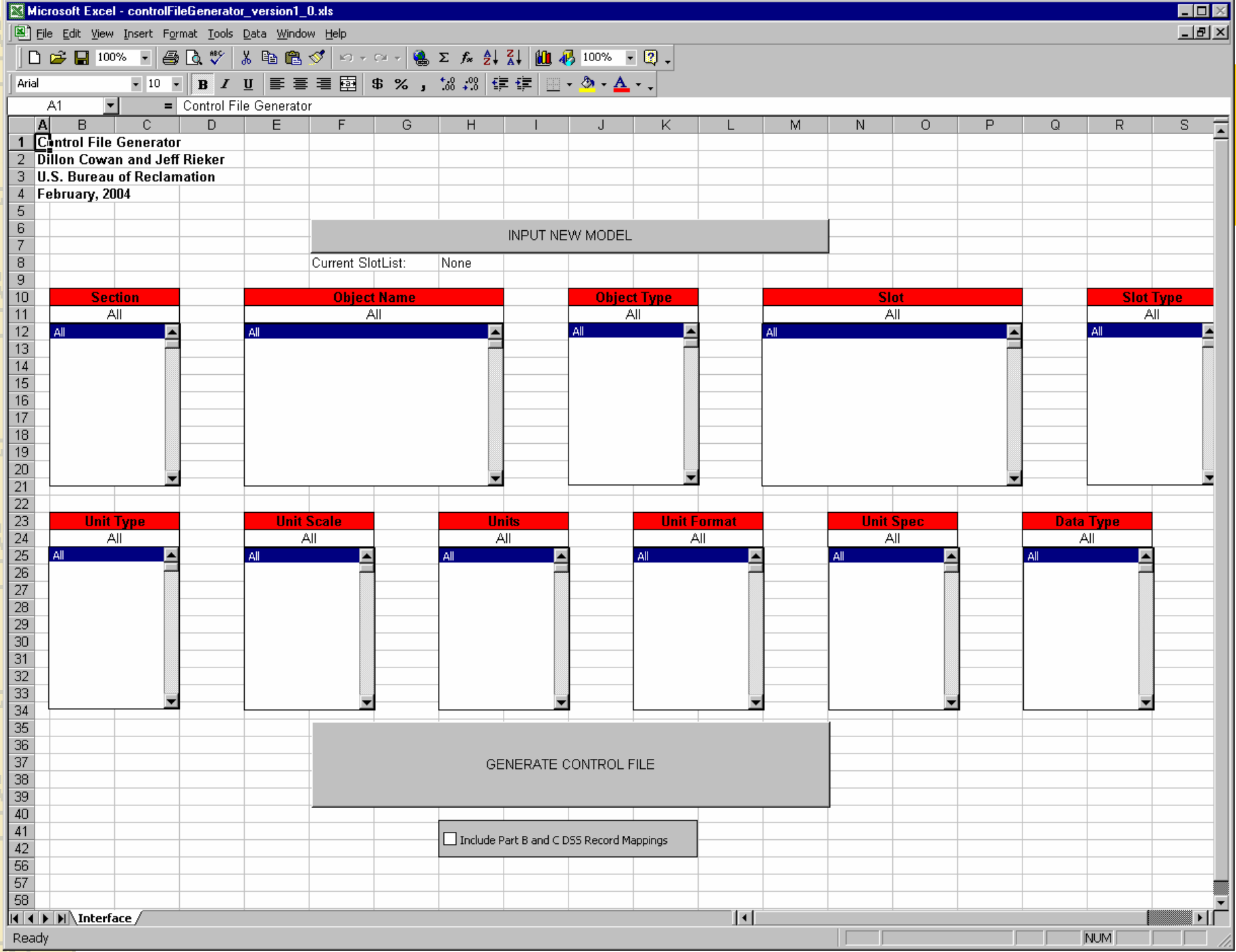
# Slotlist

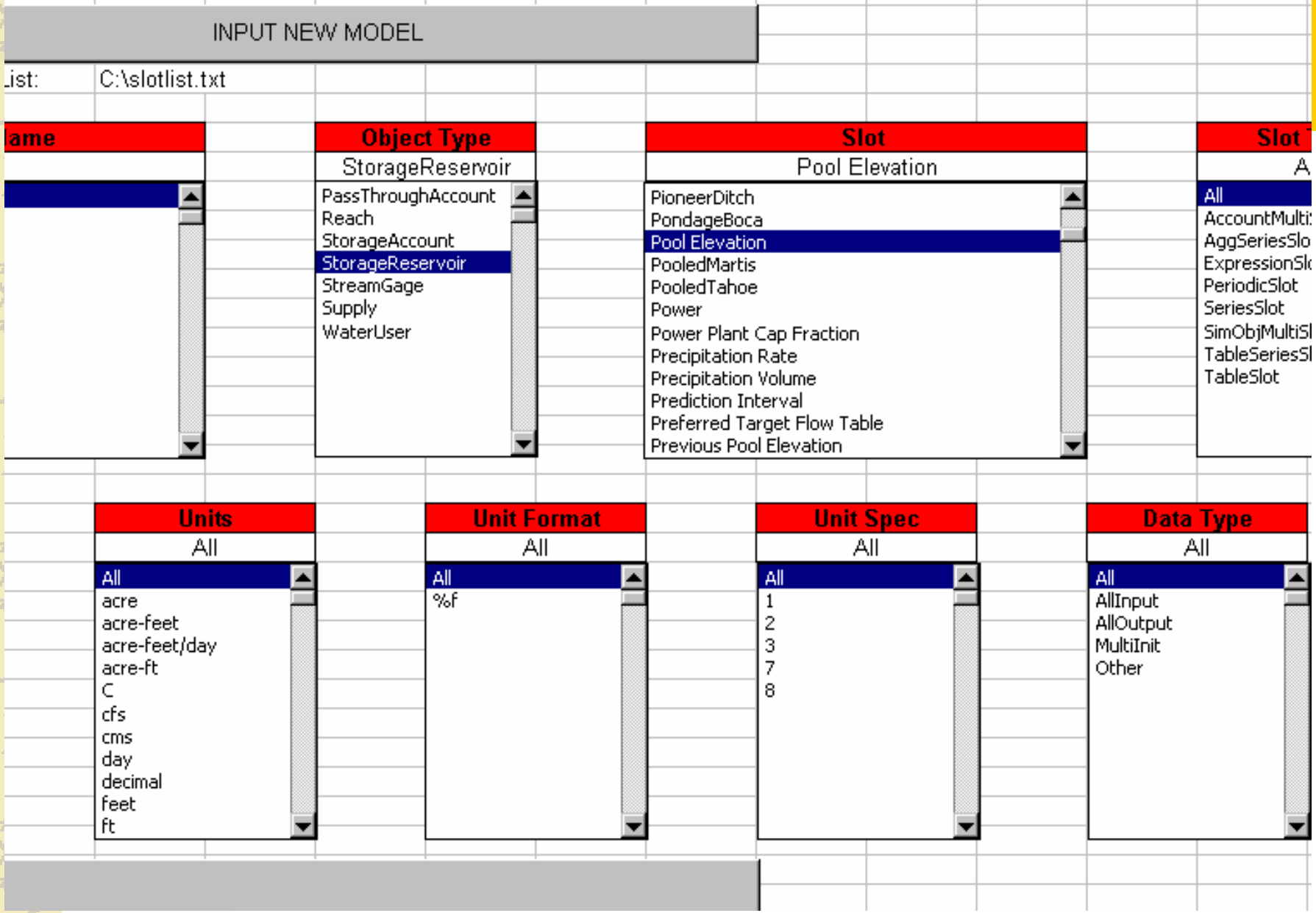
- Command line option in RiverWare (--slotlist)
- Creates list of all slots in model
  - Information about slots
  - Comma separated
- Not long term solution, but presently available

0, SimObj,Independence,StorageReservoir,Inflow,SimObjMultiSlot,Flow,1,cfs,%f,2,AllOutput
0, SimObj,Independence,StorageReservoir,Outflow,AggSeriesSlot,Flow,1,cfs,%f,2,MultiInit
0, SimObj,Independence,StorageReservoir,Storage,AggSeriesSlot,Volume,1,acre-feet,%f,2,AllOutput
0, SimObj,Independence,StorageReservoir,Previous Storage,SeriesSlot,Volume,1,acre-feet,%f,2,AllOutput

# Control File Generation from Slotlist

- Excel Interface
- Visual Basic for Applications (VBA) code
- Input Slotlist
- Output Control File


Microsoft Excel - controlFileGenerator_version1_0.xls
File Edit View Insert Format Tools Data Window Help
Arial 10
A1 = Control File Generator
Control File Generator
Dillon Cowan and Jeff Rieker
U.S. Bureau of Reclamation
February, 2004
INPUT NEW MODEL
Current SlotList: None
Section
All
Object Name
All
Object Type
All
Slot
All
Slot Type
All
Unit Type
All
Unit Scale
All
Units
All
Unit Format
All
Unit Spec
All
Data Type
All
GENERATE CONTROL FILE
Include Part B and C DSS Record Mappings
Interface
Ready
NUM


INPUT NEW MODEL
ist:
C:\slotlist.txt
ame
Object Type
StorageReservoir
PassThroughAccount
Reach
StorageAccount
StorageReservoir
StreamGage
Supply
WaterUser
Slot
Pool Elevation
PioneerDitch
PondageBoca
Pool Elevation
PooledMartis
PooledTahoe
Power
Power Plant Cap Fraction
Precipitation Rate
Precipitation Volume
Prediction Interval
Preferred Target Flow Table
Previous Pool Elevation
Slot
A
All
AccountMulti
AggSeriesSlo
ExpressionSl
PeriodicSlot
SeriesSlot
SimObjMultiSl
TableSeriesSl
TableSlot
Units
All
All
acre
acre-feet
acre-feet/day
acre-ft
C
cfs
cms
day
decimal
feet
ft
Unit Format
All
All
%f
Unit Spec
All
All
1
2
3
7
8
Data Type
All
All
AllInput
AllOutput
MultiInit
Other

# Output Control File

Independence.Pool Elevation: file=~/%o.%s units=feet scale=1 import=resize !partb="Independence.Pool_Elevation" !partc="LENGTH"

Boca.Pool Elevation: file=~/%o.%s units=feet scale=1 import=resize !partb="Boca.Pool_Elevation" !partc="LENGTH"

Tahoe.Pool Elevation: file=~/%o.%s units=feet scale=1 import=resize !partb="Tahoe.Pool_Elevation" !partc="LENGTH"

Martis.Pool Elevation: file=~/%o.%s units=feet scale=1 import=resize !partb="Martis.Pool_Elevation" !partc="LENGTH"

Donner.Pool Elevation: file=~/%o.%s units=feet scale=1 import=resize !partb="Donner.Pool_Elevation" !partc="LENGTH"

Prosser.Pool Elevation: file=~/%o.%s units=feet scale=1 import=resize !partb="Prosser.Pool_Elevation" !partc="LENGTH"

Pyramid.Pool Elevation: file=~/%o.%s units=ft scale=1 import=resize !partb="Pyramid.Pool_Elevation" !partc="LENGTH"

Lahontan.Pool Elevation: file=~/%o.%s units=ft scale=1 import=resize !partb="Lahontan.Pool_Elevation" !partc="LENGTH"

# Download

- http://www.usbr.gov/pmts/rivers

- Select option #2; “Water Management & Accounting Tools and Data Management Tools

# End

Comments?  Questions?