

Diversion Name: **CAHOON & MAXFIELD CANAL #3**

Source: **Little Cottonwood**

Measuring Device or Structure: Diversion Structure and headgate

Pt. Of Diversion (Lat/Lon): 6755 S 700 E

Water Rights:

Comments: Exchange point from Jordan & Salt Lake Canal of the Utah Lake system. June 4, 1997.

Diversion Name: **CAHOON & MAXFIELD CANAL #3**

Source: **Little Cottonwood**

Measuring Device or Structure: 2 ft. Parshall Flume with Stevens F1 recorder

Pt. Of Diversion (Lat/Lon): 6755 S 700 E

Water Rights:

Comments: If water is high enough in the Cahoon & M it will back up & cause incorrect readings. June 4, 1997.





Diversion Name: **UNION GAGE**

Source: **Little Cottonwood**

Measuring Device or Structure: Stevens recorder & ventury type rated section.

Pt. Of Diversion (Lat/Lon): 900E & South Union

Water Rights:

Comments: Measures flows from East Jordan into East Jordan Extension canal. June 4, 1997.



Diversion Name: **UNION GAGE**

Source: **Little Cottonwood**

Measuring Device or Structure: Rated section with staff gage

Pt. Of Diversion (Lat/Lon): 900E & South Union

Water Rights:

Comments: Measures flows from East Jordan into East Jordan Extension canal. June 4, 1997.

Diversion Name: **WALKER DIVERSION**

Source: **Little Cottonwood**

Measuring Device or Structure: Rectangular rated section with telog. 4.67 ft wide by 3 ft high

Pt. Of Diversion (Lat/Lon): East side of Family shopping center parking log.

Water Rights:

Comments: June 4, 1997. Water moves too fast through it. Considering Upstream baffles to help smooth out the flow.

Diversion Name: **EAST JORDAN EXTENSION INTO WALKER DITCH**

Source: **Little Cottonwood**

Measuring Device or Structure: none

Pt. Of Diversion (Lat/Lon):

Water Rights:

Comments: June 4, 1997. No measuring device. Flows estimated by commissioner.





Diversion Name: **EAST JORDAN OVERFLOW INTO LITTLE COTTONWOOD**

Source: **Little Cottonwood**

Measuring Device or Structure: Telemetry and automated electric gates.

Pt. Of Diversion (Lat/Lon):

Water Rights:

Comments: June 4, 1997.

Diversion Name: **TO UNION JORDAN CANAL**

Source: **Little Cottonwood**

Measuring Device or Structure: 3' Parshall Flume

Pt. Of Diversion (Lat/Lon): Northeast corner of intersection of Creek road and 1300 east, then east along the creek.

Water Rights:

Comments: June 4, 1997. Flume submerges when flows is over 4 cfs because outflow is too high. Right has been purchased completely by Sandy City (Rocky Emerson contract). No picture

Diversion Name: **CAHOON & MAXFIELD #1**

Source: **Little Cottonwood**

Measuring Device or Structure: 3 FT flume.

Pt. Of Diversion (Lat/Lon):

Water Rights:

Comments: June 4, 1997. Fiber glass staff gage gets scratched which makes it hard to read. No diversion between #1 and #2 from East Jordan Extension Canal.



Diversion Name: **TANNER DITCH**

Source: **Little Cottonwood**

Measuring Device or Structure: 3 ft Concrete flume & telog recording device.

Pt. Of Diversion (Lat/Lon): East of Milne Lane off 1300East

Water Rights:

Comments: There is a concrete house with room for a Stevens Recorder if desired.





Diversion Name: **UNION & EAST JORDAN SURPLUS DITCH**

Source: **Little Cottonwood**

Measuring Device or Structure: Diversion structure & headgate

Pt. Of Diversion (Lat/Lon): Royal Lane (country road) off Creek Road

Water Rights:

Comments: This used to be Richards. Richards now piped from a point upstream which takes high or surplus water. Weir located 500ft below head gate. No aerated across entire section which tends to read high with Telog unit.

Diversion Name: **UNION & EAST JORDAN SURPLUS DITCH**

Source: **Little Cottonwood**

Measuring Device or Structure: 5 ft suppress rectangular weir.

Pt. Of Diversion (Lat/Lon): Royal Lane (country road) off Creek Road

Water Rights:

Comments: There is also a flume on Creek Road where they take spot measurements. June 4, 1997.

Diversion Name: **RICHARDS DITCH DIVISION (WILLOW CREEK COUNTRY CLUB)**

Source: **Little Cottonwood**

Measuring Device or Structure: Ramp flume

Pt. Of Diversion (Lat/Lon):

Water Rights:

Comments: There is a ramp flume above and ramp flume below its diversion box where Little Cottonwood Creek and Cutoff Saving ditch goes into pipeline.

Diversion Name: **CUTOFF SAVING DITCH**

Source: **Little Cottonwood**

Measuring Device or Structure: Main headgate structure

Pt. Of Diversion (Lat/Lon):

Water Rights:

Comments: Diversion operated by Sandy City. From Little Cottonwood into pipeline. No measuring devices at this diversion- there are no measuring devices on Cutoff Savings anywhere but Richards ditch.





Diversion Name: **CUTOFF SAVING DITCH**

Source: **Little Cottonwood**

Measuring Device or Structure: Main headgate structure

Pt. Of Diversion (Lat/Lon):

Water Rights:

Comments: Diversion operated by Sandy City. From Little Cottonwood into pipeline. No measuring devices at this diversion- there are no measuring devices on Cutoff Savings anywhere but Richards ditch.



Diversion Name: **MURRAY CITY POWER PLANT (WHITMORE OXYGEN POWER PLANT)**

Source: **Little Cottonwood**

Measuring Device or Structure: Power plant intake

Pt. Of Diversion (Lat/Lon): Up canyon at Wasatch Resort turn off

Water Rights:

Comments: There are pipelines off the penstock which can feed the South Despain, and South Despain extension. There are some right above the power plants which pre-date the decree but are not mentioned in it. There water users bought use of Coal Pit springs from Little Cottonwood.

Diversion Name: **SOUTH DESPAIN & SOUTH DESPAIN EXTENSION SPLIT STRUCTURE**

Source: **Little Cottonwood**

Measuring Device or Structure: Split structure with gates. V-notch and rectangular weir with staff gage.

Pt. Of Diversion (Lat/Lon):

Water Rights:

Comments:



Diversion Name: **SANDY DITCH DIVERSION STRUCTURE**

Source: **Little Cottonwood**

Measuring Device or Structure: Headgate structure

Pt. Of Diversion (Lat/Lon): Downstream on path from west side of street across from LaCaille

Water Rights:

Comments: June 4, 1997. Diversion structure off Little Cottonwood Creek. Also location of intake to Metropolitan Treatment Plant (seldom used). Diversion based on second five primary Water rights. Sandy city owns a major portion of it.





Diversion Name: **SANDY DITCH DIVERSION STRUCTURE**

Source: **Little Cottonwood**

Measuring Device or Structure: 7 ft rectangular weir

Pt. Of Diversion (Lat/Lon):

Water Rights:

Comments: Weir always treated as a sharp crested. It under measures flows, because of a concrete wall upstream of sharp crest. Also backwater problems - no aeration.



Diversion Name: **RIVER MEASURING STATION ON LITTLE COTTONWOOD**

Source: **Little Cottonwood**

Measuring Device or Structure: 15 FT Parshall flume and Stevens recorder

Pt. Of Diversion (Lat/Lon): Below the Bridge across from LaCaille.

Water Rights:

Comments: Measures all of Little Cottonwood Creek at this point. To get total stream flow - must add in upstream diversions. The creek has extreme fluctuations.