

Keen, Shelley

From: Olenichak, Tony
Sent: Friday, January 08, 2010 4:57 PM
To: Keen, Shelley
Subject: RE: Emailing: City of Newdale Transfer 76126 South Fork vs Henrys Fork Mitigation.htm

Shelley,

There are times in dry years usually late in the summer when there isn't sufficient natural-flow in the Henrys Fork to fill up to the same priorities that are being filled on the South Fork. The flip situation can also occur where there isn't sufficient natural-flow in the South Fork to fill up to the same priorities that are being filled on the Henrys Fork. It depends on the relative water supply in each sub-basin and the diversions that are diverting water on a particular day. However, in good water years this situation usually never occurs.

In our surface accounting, the South Fork includes the reach from Heise to Lorenzo. The Henrys Fork includes the reach from Ashton to Rexburg. The Mainstem includes the reach from Lorenzo/Rexburg to Shelley.

During the rare times when priorities on the South Fork cannot be filled up to the same priorities as the Henrys Fork and Mainstem, the depletions on the South Fork must be mitigated by injecting additional natural flow into the South Fork between Heise and Lorenzo. At all other times, the mitigation can be injected into the South Fork, Henrys Fork, or Mainstem.

During the rare times when priorities on the Henrys Fork cannot be filled up to the same priorities as the South Fork and the Mainstem, the depletions on the Henrys Fork must be mitigated by injecting additional natural-flow between Ashton and Rexburg. At all other times, the mitigation can be injected into the South Fork, Henrys Fork, or Mainstem.

During the rare times when priorities on either the Henrys Fork or South Fork cannot be filled up to the same priorities as on the Mainstem, any depletions between Lorenzo/Rexburg and Shelley must be mitigated by injecting additional natural-flow between Lorenzo/Rexburg and Shelley, or can be injected into the fork that is similar in priority as the Mainstem.

Because the ESPA model has a more generalized reach extending from Heise to Shelley, it makes the assessment a little more difficult. You could certainly say that in most years, and at most times during all years, it doesn't make any difference where the injection occurs.

Tony

-----Original Message-----

From: Keen, Shelley
Sent: Friday, January 08, 2010 2:53 PM
To: Olenichak, Tony
Subject: Emailing: City of Newdale Transfer 76126 South Fork vs Henrys Fork Mitigation.htm

Tony,

In the attached email, you said, " There are only a few occasions where the mitigation for Henrys Fork depletions would need to be injected into the Henrys Fork instead of the South Fork or mainstem above Blackfoot." What about the reverse situation? Are there times when new depletions to the South Fork couldn't reasonably be mitigated by gains to the Henrys Fork? According to the ESPA model, the City of Newdale's proposed change results in

depletions in the Heise to Shelley reach and nearly identical gains in the Ashton to Rexburg reach.

Shelley