

FIGURE 2 EXPLANATION

- Positive hydraulic gradient (groundwater discharge to stream indicated)
- No measurable gradient
- Negative hydraulic gradient (streamflow loss to groundwater indicated)
- G Value biased low by water leakage from casing (the actual gradient is greater than indicated)
- P Well pumping during water level measurement
- R Well recently pumped, water level recovering

\* To accommodate graph scale limitations, the streamflow values shown in graphs P1-P15, W3-W8, and S1 depict only ten percent of the actual daily mean streamflow measured at the S. Fk. Palouse R. gage at Pullman (USGS 13348000). The streamflow values shown in graphs P16-P17 depict only 10 percent of the actual daily mean streamflow measured at the Paradise Crk. gage near Moscow (USGS 13346800).

FIGURE 2 - Instream piezometer and off-stream well thermographs, by map ID

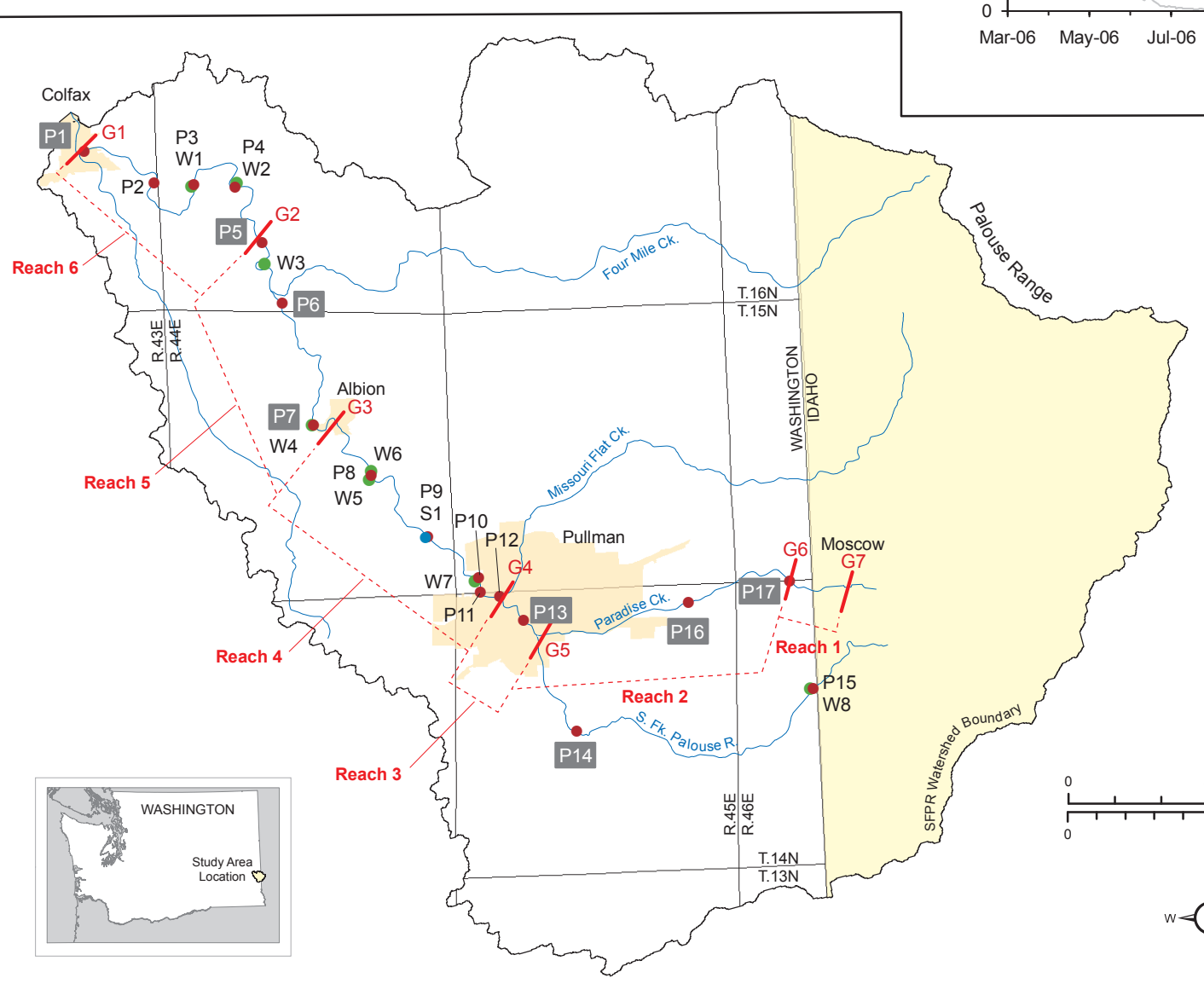


FIGURE 1 - Well and instream piezometer locations by map ID

Map ID	Station ID	Station Location	Period of Record
G1	34B065	S. Fk. Palouse R. at RM 1.2 at Colfax	May 2006 - May 2007
G2	34B072	S. Fk. Palouse R. at RM 9.2 at Parvin Rd	May 2006 - May 2007
G3	34B080	S. Fk. Palouse R. at RM 15.8 at Albion	May 2006 - May 2007
G4	13348000	S. Fk. Palouse R. at RM 22.8 at Pullman	1934-42, 1960-81, 2001-present
G5	34C060	Paradise Crk. at RM 0.1	May 2006 - May 2007
G6	34C100	Paradise Crk. at RM 6.6 at WA/ID border	May 2006 - May 2007
G7	13346800	Paradise Crk. at RM 8.1 at Moscow	1978-present

Map ID	Well tag ID	Station Location
P1	AKY496	S. Fk. Palouse R. at RM 1.2
P2	AKY495	S. Fk. Palouse R. at RM 3.4
P3	AKY493	S. Fk. Palouse R. at RM 5.4
P4	AKY494	S. Fk. Palouse R. at RM 7.3
P5	AKY488	S. Fk. Palouse R. at RM 9.3
P6	AKY497	S. Fk. Palouse R. at RM 11.4
P7	AKY498	S. Fk. Palouse R. at RM 15.0
P8	AKY499	S. Fk. Palouse R. at RM 17.7
P9	AKY490	S. Fk. Palouse R. at RM 20.1
P10	AKY489	S. Fk. Palouse R. at RM 21.9 (no data graph)
P11	AKY500	S. Fk. Palouse R. at RM 22.2
P12	AKY492	Missouri Flat Crk. at RM 0.0
P13	AKY491	S. Fk. Palouse R. at RM 23.6
P14	ALB689	S. Fk. Palouse R. at RM 26.7
P15	ALB688	S. Fk. Palouse R. at RM 33.8
P16	ALB691	Paradise Crk. at RM 3.8
P17	ALB692	Paradise Crk. at RM 6.6

Map ID	Well tag ID	Station Location
W1	AHT032	16N/44E-19G (no data graph)
W2	AAW651	16N/44E-20G (no data graph)
W3	ABL694	16N/44E-33D
W4	AHT029	15N/44E-15E
W5	AGJ767	15N/44E-23L
W6	AGJ770	15N/44E-23F
W7	AGJ768	15N/45E-31P
W8	AHJ874	14N/46E-17H
S1	AHT033	15N/44E-25P

FIGURE 1 EXPLANATION

- P2 Instream piezometer with map ID
- P1 Instream piezometer sampled for water quality
- S1 Spring site with map ID
- W1 Domestic well with map ID
- G1 Streamflow gaging station, and associated seepage reach

FIGURE 3 - Plot of vertical hydraulic gradients and daily mean stream temperatures measured at monitoring sites along the South Fork Palouse River and Paradise Creek, during August 2006

FIGURE 3 EXPLANATION

- | Site ID | Tributary or WWTP Name         |
|---------|--------------------------------|
| A       | Fourmile Creek                 |
| B       | City of Pullman WWTP discharge |
| C       | Missouri Flat Creek            |
| D       | WSU stormdrain No. 1           |
| E       | WSU stormdrain No. 2           |
| F       | Airport Creek                  |
| G       | City of Moscow WWTP discharge  |
- Vertical hydraulic gradient measured at piezometer sites between August 14 and 17, 2006
  - Individual hydraulic gradients measured in piezometers during the 2006-2007 study period
  - Daily mean stream temperature August 15, 2006
  - Daily mean tributary or WWTP discharge temperatures on August 15, 2006
  - Hydraulic gradients measured in a piezometer near the mouth of Missouri Flat Crk. during the 2006-2007 study period (projected)

