

FIGURE 2 EXPLANATION

- Positive hydraulic gradient (groundwater discharge to stream indicated)
- No measurable gradient
- Negative hydraulic gradient (streamflow loss to groundwater indicated)
- R Well recently pumped, water level recovering

* To accommodate graph scale limitations, the streamflow values shown here depict only 10 percent of the actual daily mean streamflow measured at the Palouse River gaging station at Hooper (USGS 13351000). To obtain the actual gaged flow multiply the indicated values by 10.

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

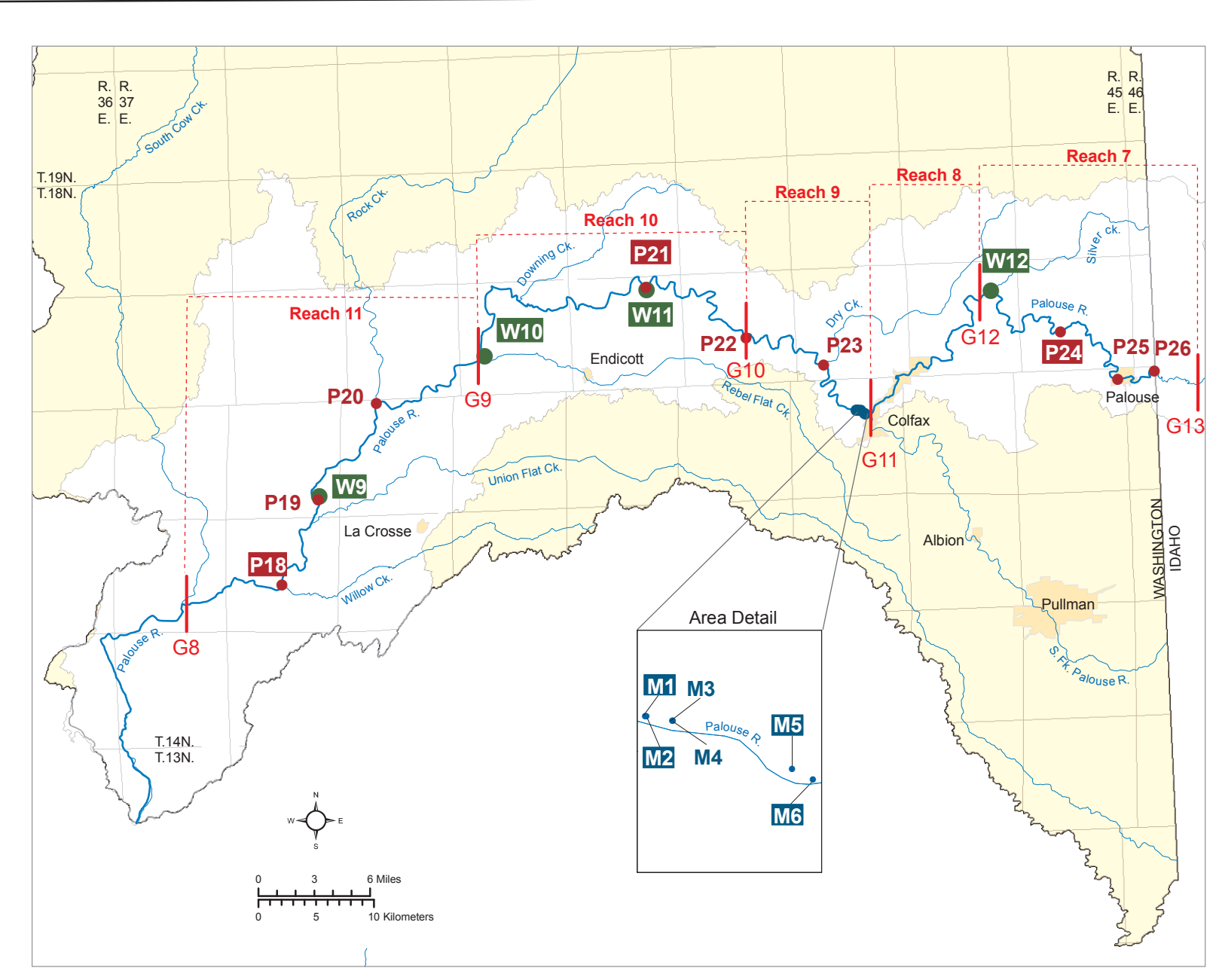


FIGURE 1 - Well and instream piezometer locations by map ID

FIGURE 1 EXPLANATION

- Instream piezometer with map ID
- Domestic well with map ID
- Monitoring well with map ID
- P18 Sites sampled for water quality (where box color indicates site type)
- G8 Streamflow gaging station with map ID and associated seepage reach

Map ID	Station ID	Station Location	Period of Record
G8	13351000	Palouse R. at Hooper	Sep 1897 - Mar 1916 partial; Feb 1951 - current year
G9	34A080	Palouse R. above Rebel Flat Ck.	May 2007 - current year
G10	34A085	Palouse R. at Shields Rd.	May 2007 - current year
G11	34A050	Palouse R. at Colfax	May 2007 - current year
G12	34A140	Palouse R. at Elberton	May 2007 - current year
G13	13345000	Palouse R. near Pollatch, ID.	Oct 1914 - Sep 1919; 1966 - current year

Map ID Well Tag ID Station Location

Map ID	Well Tag ID	Station Location
Instream Piezometers		
P18	AHT042	Palouse R. at Hwy 26 (RM 25.7)
P19	AHT041	Palouse R. upstream of Union (RM 33.4)
P20	AHT039	Palouse R. at Rock Ck. confluence (RM 41.1)
P21	AHT038	Palouse R. at St. John-Endicott Rd (RM 66.8)
P22	AHT037	Palouse R. at Shields Rd (RM 77.8)
P23	AHT036	Palouse R. at Matlock Bridge (RM 85.6)
P24	AHT034	Palouse R. at Altergott Rd (RM 112.4)
P25	AHT043	Palouse R. at Main St. in Palouse (RM 120.3)
P26	AHT035	Palouse R. at WA-ID border (RM 124.3)
Domestic Wells		
W9	AHT040	16N/38E-26R
W10	AHT098	17N/40E-20P
W11	AHR589	17N/41E-02N
W12	AHT044	17N/44E-11K
Monitoring Wells		
M1	ACP674	16N/43E-10K
M2	ACP673	16N/43E-10K
M3	ACP676	16N/43E-10K
M4	ACP675	16N/43E-10K
M5	ACP679	16N/43E-10J
M6	ACP678	16N/43E-10R

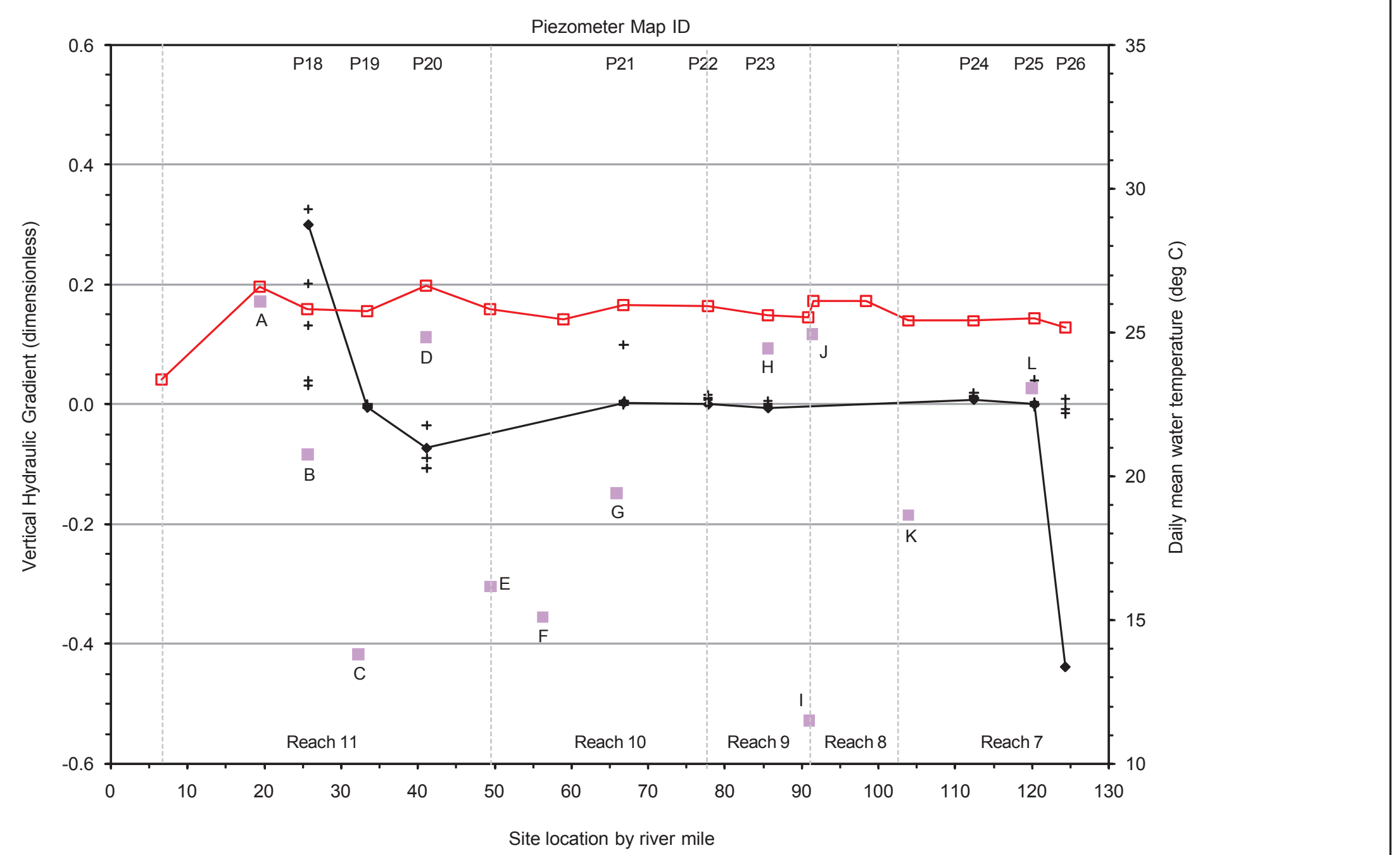


FIGURE 3 EXPLANATION

- ◆ Vertical hydraulic gradient measured at piezometer sites between July 9 and July 11, 2007
- ◆ Individual hydraulic gradients measured at piezometer sites during summer 2007
- Daily mean stream temperature on July 10, 2007
- Daily mean tributary or WWTP discharge temperatures on July 10, 2007

Site ID	Tributary or WWTP Name
A	Cow Creek
B	Willow Creek
C	Union Flat Creek
D	Rock Creek
E	Rebel Flat Creek
F	Downing Creek
G	Little Valley Creek
H	Dry Creek
I	Colfax WWTP
J	S. Fk. Palouse River
K	Silver Creek
L	Palouse WWTP discharge

FIGURE 3 - Plot of vertical hydraulic gradients and daily mean stream temperatures measured at monitoring sites along the Palouse River during July 2007

STUDY WELL LOCATIONS, IN-STREAM PIEZOMETER AND OFF-STREAM WELL THERMOGRAPHS, AND NEAR-STREAM GROUNDWATER LEVELS FOR THE PALOUSE RIVER BASIN, WHITMAN COUNTY, WASHINGTON