

impacts to baseline biogeochemical cycling are anticipated by the proposed subfacilities, either individually or in combination.

RECREATION

There is no recreation in the Project limits.

UPSTREAM AND DOWNSTREAM PROPERTIES

Construction impacts on adjacent properties and water resources will be minimized using the Project-specific E&S Plan. This plan will conform to federal, state, and local regulations and prevent movement of sediment off the construction site. Stormwater generated onsite during construction will also be managed and released in a manner that conforms to applicable federal, state, and local regulations.

OTHER

No other impacts upstream, downstream, or within the impacted reaches are anticipated as a result of the proposed activities.

S3.E – ANTIDEGREDATION ANALYSIS

To limit the potential for soil erosion, E&S BMPs will be implemented and maintained for the duration of construction and will remain until suitable vegetation has been established (>70% uniform growth). No further antidegradation analysis is required for this project.

S3.F – ALTERNATIVES ANALYSIS

The following three alternatives were considered for this project.

Alternative 1: No Build Alternative

Under the No Build Alternative, no impacts to wetlands or watercourses would be anticipated. The property would continue to be utilized for its current purposes; however, it would not meet the needs of the Homer City Redevelopment plan.

Alternative 2 – Large Pad

Alternative 2 proposes to build a 75.6-acre level vegetated pad to support the future campus goals of the Homer City Development Plan. This Alternative proposed roadway improvements to Bruner Road, a new access road connecting to Long Road, 12 permanent stormwater management basins, and stormwater ditches. This alternative would result in 201.3 acres of earth disturbance.

Alternative 2 would permanently impact eight wetlands and three streams. In total, 0.208 acres of wetland and 910 linear feet of stream, including significant floodway impacts to perennial stream S6.

Alternative 3 – 68.6 (Preferred Alternative)

Alternative 3 proposes to build a 68.6 acre. vegetated level pad to support the future campus goals of the Homer City Development Plan. This Alternative proposes accessing the site via an existing access road to the east and Bruner Road, nine permanent stormwater management basins, and stormwater ditches. This alternative would result in 170.6 acres of earth disturbance.

This alternative reduces the footprint of the pad by 7 acres, which minimizes and avoids permanent impacts to three wetlands, a reduction of 0.082 acres, and reduces permanent impacts on surface waters