

## PPD-2 Juneau Area

Map



### Helicopter - By Klaus Troeppner

Salmon Creek Hydro PP14.....

•NOTAM: helipad`s on this site should be approached with light and medium helicopters due to small landing zones! Check latest METAR before Flight, high winds and fog are possible/

1. Start at PAJN Juneau airport or TEMSCO Heliport. The airport offers several helipads.
2. Set GPS for PP14 Salmon Creek Hydro. Lift off and after passing the airport area, set your course heading 110-120 degrees and follow the highway on cruise speed in direction to Juneau Harbor (5Z1).
3. Watch out for a radio transmission tower in front after about 3 miles. Set airspeed to max. 50-60 knots, altitude about 200-300 ft above ground when arriving at the tower.
4. Pass the tower to the right and turn hard for about 90 degrees. Continue reducing airspeed to 30-40 knots just above translational lift. Be aware of obstacles like trees and lighting poles in the area.
5. You should now see the power plant building surrounded by a big stone wall in 1 o`clock position. look out for the helipad in the yard and start your approach slowly. Be sure passing the wall on safe altitude then hover over the helipad and touch down.
6. Lift off vertically again for the dam site to altitude 150-200 feet. Then hover turn for 45 degrees to the left. Accelerate into translational lift and follow the river and road you see in 12 o`clock position up the pass.
7. After about 2 miles watch out for a small site (building, Cargo, Materials) in front of you just before the pass turns slightly to the left. Keep eyes open, the site is well surrounded by tall trees. (Tip: In case helipad is out of sight on vertical descent, use the small earth wall or the building to the right as visual references.)
8. Hoverstop in front of the building. Helipad is just behind it. Slowly hover over the helipad at altitude of about 200 feet above ground. Then continue vertical descent slowly and finally touchdown on the helipad.
9. Lift off again in a vertical climb to about 200-250 feet above ground. In Hover turn to the left for about 30 degrees and accelerate into translational lift.
10. Again follow the river you see in front at about 70-80 knots. after a slight right turn the dam comes into sight after one mile.
11. You see the helipad in front of a cabin right of the dam. Start your approach to the helipad. (Warning: the helipad is surrounded by large trees in three directions. Only approach from the lake side is recommended!)
12. Touch down slowly on the helipad. Watch out for loose construction materials around the helipad.
13. For leaving the dam site again, lift off in backward hover taxi. As soon you are moved back on the lake, climb and adjust forward flight into translational lift. Turn slight to the left and follow the pass down to Juneau.
14. Continue flight for Annex Creek Hydro.

Annex Creek Hydro PP13.....

1. Set GPS for PP13 Annex Creek Hydro.
2. There are two recommended routes for helicopters to the hydro plant.
  - a) (The good weather route) Pass Juneau harbor on cruise speed to Thane. At Thane turn left for 90 degrees and follow the valley. After about two miles watch out for the transmission line or follow your GPS heading to Annex Creek.
  - b) (The bad weather route) Pass Juneau harbor and follow Gastineau Channel at about 500 ft at cruise speed to its outcome into Taku Inlet. Then left and follow the coastline till reaching Annex Creek.
3. Pass the Annex Creek Power plant and Camp site and watch out for the helipad, then turn into a hard right bank turn for 270 degrees. Slow down airspeed and altitude. At end of turn speed should be about 50 kts, altitude at 200 ft.
4. With the helipad now in front at the Camp site, start your approach and touch down.
5. Lift off again and hoverturn for 180 degrees. Adjust forward flight into translational lift and accelerate to cruise speed and altitude.
6. Turn into a hard bank turn to the right for 180 degrees again. At the end of the turn you should see Annex Creek in front of you. Follow the creek up the mountain. Maintain speed at 60-80 knots.
7. At the end of Annex Creek about 200 ft above water, there` s the valve house o`clock in sight. As soon as you see the helipad in front of the house, start your approach.
8. Hover over the helipad at 10 feet and turn heli into wind, then touch down.
9. Lift off and accelerate into translational lift. Move to the dam and hover over the site. Check the dam site then follow Annex Creek while setting speed up to cruise and fly to Taku Inlet.

Lake Dorothy Hydro PP02.....

1. Set GPS for PP02 Lake Dorothy Lake Hydro.
2. When the Lake Dorothy power plant comes in sight, turn right to the south and follow the transmission line along coast for about 5 miles.
3. To the left the submarine cable station while come in sight. Pass it and turn in a hard right bank turn while descending speed to 50 knots, altitude at 150 feet.
4. Approach the helipad now in 12 o`clock position and touchdown. Watch out for tall trees in the landing zone.
5. Lift off again in a slight backward hover taxi. Hoverturn to the left for 90 degrees after crossing the shoreline, then adjust

speed to cruise range, altitude at about 500 ft.

6. Follow the transmission line along the coast back to the Annex Creek power plant site.
7. With two miles the power plant in front, reduce airspeed and prepare for approach.
8. Hoverstop with the power plant just beside the power plant in 3 o` clock position.
9. Hoverturn right for 90 degrees and continue approach to the helipad in front, then touchdown. Be aware of vehicles and personnel in the landing zone.
10. Lift off, turn the right for 90 degrees and accelerate in a steady climb bank turn for 270 degrees.
11. At the end of the turn the power plant and a road is in 12 o` clock position.
12. With airspeed at about 80 kts and altitude above 300 feet follow the road up to Bart lake.
13. As soon as Bart lake dam is in sight reduce airspeed to 50 kts and watch out for the helipad. Warning: Be aware of the tall trees nearby the helipad. You will enter a small landing zone!!
14. The helipad is located nearby a small cabin beside the road. Hoverstop and start a vertical descent over the helipad. (Tip: use the cabin as visual reference as long you do not see the helipad just under your helicopter!)
15. Touch down on the helipad.
16. Lift off again in a vertical climb. Be aware of the nearby trees while climbing!
17. At 250 feet above ground accelerate into translational lift and set your course over Bart lake and climb up to Lieau lake.
18. Leaving Lieau Lake behind, continue climbing to Lake Dorothy.
19. Passing the dam up at Lake Dorothy and watching out for the helipad by the cabin, turn left into a hard bank turn. Reduce airspeed to 40-50 kts, altitude above water at 100-150 feet.
20. Do your approach to the helipad and touchdown.
21. Lift off again and accelerate to cruise speed while turning left flying over lake Dorothy.

#### Snettisham Hydro PP03 (GPS=7AK2).....

1. Set GPS for 7AK2 Snettisham Hydro and continue your flight.
2. At the end of Lake Dorothy climb over the Mountaintops in front then turn left for 90 degrees and follow the valley.
3. Follow the next valley to the right and you will flying over Long Lake. At the end of Long Lake is the dam with a helipad.
4. Approach to the dam and watch out for the helipad just right aside.
5. Touchdown on the helipad. Be aware of tall trees and loose materials at the side.
6. Lift off in a backward climb to an altitude about 200 feet over water.
7. Turn slightly left, accelerate into translational lift, pass the dam and fly down along the valley to Snettisham 7AK2. Tip: use 7AK2 as visual reference when in sight.
8. After moderate right and left turns you should see 7AK2 in 12 o` clock position after about 1 mile.
9. Pass ZAK2 runway and then turn in a hard left bank turn for about 230 degrees. Pass the airport helipad and fly at about 60 kts to the power plant site which is now in 12 o` clock position just 0.5 miles behind the runway.
10. Do your approach to the power plant and hoverstop over the river just in front of the plant.
11. The power plant helipad is below in 2 o` clock position. Warning: Small landing zone! Beware of tall trees!!
12. Turn right for 45 degrees while descending slowly down to helipad and touchdown.
13. Lift off again in a vertical climb till you are over the tree tops. Turn right for 90 degrees and accelerate to translational lift.
14. Fly to 7 AK2 helipad. Land there and finish the Flight.



#### Float Plane - By Doug Linn

#### Salmon Lake Hydro PP14 .....

1. Start at PAJ1 (Juneau International SPB)
2. Salmon Creek Hydro: Set PP14 into the GPS. The hydro plant is very well-integrated into Juneau. The dock for the hydro plant is near the water outfall, but located about 4 blocks from the plant. As you approach the community, you will cross over a 4 lane highway and land in the lagoon just before the community but beyond the highway. You will see a small dock there for the Hydro Plant, that is the "Water W" dock for the plant.
3. After landing at the dock, look toward the mountains and you will see there is a gap there. The dam is at Salmon Lake above Juneau in that gap.

- VIEWING TIP: Without a helicopter, the facilities here are difficult to see and should be visited.  
(1) To see the Hydro Plant, do a "Go to Airport" (GTA) you can slew around and look at the details.  
(2) To view the pumping station, use (GTA=PP14/NW Helipad). (3) When finished, use (GTA PP14/Water W) and it will put you at the hydro plant dock so you can continue your journey.



4. Take off from the Salmon Lake hydro plant dock and fly out of the little lagoon, then fly back over the dock area headed toward the gap in the mountains. Watching below, you will see the Salmon Creek outfall and will pass directly over the Salmon Creek Hydro Plant and the upper pumping station. The creek will lead you to Salmon Lake where you can land behind the dam.

- VIEWING TIP: Once parked at the dock up by the Salmon Lake Dam. Again, slew your aircraft and look at the base of the dam on the other side. You will find a small park there with little bridges, even a camper with a campfire. This is an actual camping area. Then use (GTA=PP14/E. Water) to go back to the dam mooring.



Annex Creek Hydro PP13 .....

1. At the Salmon Creek Dam Dock, set PP13 for Annex Creek Hydro into the GPS. You are going to fly to the loading dock of Annex Creek Hydro. If the weather is good, you can fly high and go directly to it. If the weather is not good, then fly back down over the Salmon Creek Plant Dock and turn to port following the Gasteneau channel past Juneau. (Suggested altitude 1200 feet). (If you are flying the Gasteneau Channel, as you take off, fly low over Salmon Creek back down the mountain and you can see the entire location laid out for you).

2. When you come to the end of the Gasteneau Channel, turn to port around Bishop Point into the Taku Inlet. Stay to the port side of the inlet. The plant is 8 miles ahead. As you come into the Taku Channel, you can start moving toward landing altitude. As you approach Annex Creek, look to port and you will see a canyon with a stream coming through it. We will be coming back to this in the next leg. Land at Annex Creek and tie up at the dock there.

- VIEWING TIP: This is a fascinating (and real) small community that has been created for you here. You might want to get out of your plane and "slew around" to look at all of the many details in this dockage area. to return (GTA=PP13/E Water)



3. Leaving the Annex Hydro Dock, you will take off in the direction from which you came on a bearing of about 185°. The outfall you passed on landing is now to your starboard. Turn and follow the creek up the mountain. It will come to a small lake, then you will see a higher lake ahead and to starboard. The dam for this lake is at the leading edge of the lake. Plan to land near the dam.

Lake Dorothy Hydro PP02 .....

1. At the reservoir dock for Annex Creek, set the GPS for PP02 (Lake Dorothy Hydro). Taxi toward the middle of the lake then turn and take off over the dam. You will fly across the Taku Channel to Lake Dorothy on the far side. There is a dock right in front of the hydro complex to the right of the outfall.

- Viewing Tips: From the position in front of the complex, slew around and look at the immediate area. Look for a road coming out of the plant complex to the right of the complex (as you are facing it). Follow that road in slew and it takes you up to the Lake Dorothy dam area. This is a great lake to land upon. Now go back to the position in front of the complex. (GTA=PP02 / active runway).



2. You next fly up to the reservoir at Lake Dorothy. Watch for a road behind the complex that goes up into a lowered area of the mountains. That road then climbs and turns to port. Lake Dorothy is at 1100 feet. Be careful upon landing as there are many obstacles (logs, etc) in the water there. Land and taxi up to the dam area. You will find a small dock to the left of the dam.

3. Take off from the dam area on a heading of about 250° and fly back over the power plant. Then turn to port and follow the coast for 2.2 miles and land near the subterranean cable building on the coast there. (GTA=PP02 / E Water)

Snettisham Hydro PP03 .....

1. While at the cable station dock, (GTA=PP02 / E Water), set 7AK2 (Snettisham) into the GPS.

2. There are high mountains between your present position and Snettisham. The best way to fly is low over water. As you leave the cable station, stay close to the coastline, keeping it to port. You will pass by past Taku Harbor airport (A43). Continue another 8 miles to Port Snettisham (a large inlet to port). Fly into the inlet. The inlet forms a "T". The right leg goes to Gilbert Bay and the left leg goes to 7AK2, Snettisham airport. There is a dock to land at to the left of and past the airport runway. (If you have an amphibian you can land, it is a hard surface). Park at the dock. There are people and packages on the dock.

- Viewing Tips: Go into slew mode and look around the area. The hydro plant is to your left as you face the coast. There is a lovely small area where the penstock tunnel comes out of the mountain where there are cabins. Slewing back toward the airport (to the right) ... go back into the community and check out the saw mill and the logging areas. Further to the right you'll find a small cabin. Go back to position (GTA=PP03 / S Water).



3. Leave the dock, take off and fly up to the reservoir. You can follow the road that comes out the back of the saw mill. It will lead you around the mountain and up to the reservoir. Land on the reservoir and taxi to and park at the dock there.

4. After taking a breather, it is time to head back to Juneau. Set your GPS for PAJ1 and fly back to Juneau International SPB.